

COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNEWICK, WA

Section Included: Columbia River and Tributaries, McNary Lock and Dam to Kennewick, WA. Controlling Depth: 20 feet. Project Depth: 14 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	6,415	1995	8,582	1998	7,115	<b>2001</b>	<b>6,732</b>
1993	7,218	1996	7,705	1999	6,767		
1994	7,927	1997	7,569	2000	7,887		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Domestic						
		Coastwise		Internal				
		Shipments	Through Upbound	Inbound Upbound	Downbnd	Outbound Downbnd	Through Upbound	Downbnd
<b>Total, all commodities</b>	<b>6,732</b>	<b>17</b>	<b>3</b>	<b>135</b>	<b>2</b>	<b>943</b>	<b>1,706</b>	<b>3,926</b>
<b>Total petroleum and petroleum products</b>	<b>1,651</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>1,644</b>	<b>7</b>
<b>Subtotal petroleum products</b>	<b>1,651</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>1,644</b>	<b>7</b>
2211 gasoline	1,083	---	---	---	---	---	1,076	7
2330 distillate fuel oil	30	---	---	---	---	---	30	---
2340 residual fuel oil	538	---	---	---	---	---	538	---
<b>Total chemicals and related products</b>	<b>231</b>	<b>17</b>	<b>3</b>	<b>135</b>	<b>2</b>	<b>20</b>	<b>55</b>	<b>0</b>
<b>Subtotal fertilizers</b>	<b>59</b>	<b>2</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>20</b>	<b>37</b>	<b>---</b>
3110 nitrogenous fert.	59	2	---	---	---	20	37	---
<b>Subtotal other chemicals and related products</b>	<b>172</b>	<b>15</b>	<b>3</b>	<b>135</b>	<b>2</b>	<b>---</b>	<b>18</b>	<b>0</b>
3273 ammonia	147	---	---	128	2	---	18	---
3274 sodium hydroxide	7	---	---	7	---	---	---	---
3276 metallic salts	18	15	3	---	---	---	---	---
3286 plastics	0	---	---	---	---	---	0	0
<b>Total crude materials, inedible except fuels</b>	<b>242</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>241</b>
<b>Subtotal forest products, wood and chips</b>	<b>179</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>179</b>
4161 wood chips	179	---	---	---	---	---	---	179
<b>Subtotal pulp and waste paper</b>	<b>13</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>13</b>
4225 pulp & waste paper	13	---	---	---	---	---	---	13
<b>Subtotal iron ore and scrap</b>	<b>48</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>48</b>
4420 iron & steel scrap	48	---	---	---	---	0	---	48
<b>Subtotal sulphur, clay and salt</b>	<b>1</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>1</b>
4782 clay & refrac. mat.	1	---	---	---	---	---	---	1
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>0</b>
4900 non-metal. min. nec	0	---	---	---	---	---	---	0
<b>Total primary manufactured goods</b>	<b>16</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>16</b>
<b>Subtotal paper products</b>	<b>16</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>16</b>
5190 paper products nec	16	---	---	---	---	0	---	16
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>
5480 fab. metal products	0	---	---	---	---	0	---	---
<b>Total food and farm products</b>	<b>4,518</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>923</b>	<b>---</b>	<b>3,595</b>
<b>Subtotal grain</b>	<b>4,460</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>880</b>	<b>---</b>	<b>3,580</b>
6241 wheat	4,307	---	---	---	---	868	---	3,439
6344 corn	1	---	---	---	---	1	---	---
6443 barley & rye	152	---	---	---	---	11	---	141
<b>Subtotal vegetable products</b>	<b>22</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>7</b>	<b>---</b>	<b>15</b>
6654 vegetables & prod.	22	---	---	---	---	7	---	15
<b>Subtotal processed grain and animal feed</b>	<b>24</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>24</b>	<b>---</b>	<b>---</b>
6781 hay & fodder	24	---	---	0	---	24	---	---
<b>Subtotal other agricultural products</b>	<b>12</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>12</b>	<b>---</b>	<b>0</b>
6822 dairy products	11	---	---	---	---	11	---	0
6899 farm products nec	1	---	---	---	---	1	---	---
<b>Total all manufactured equipment, machinery and products</b>	<b>75</b>	<b>---</b>	<b>---</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>8</b>	<b>67</b>
7800 empty containers	5	---	---	0	---	---	4	1
7900 manufac. prod. nec	71	---	---	---	---	---	4	66
<b>Ton-miles (x1000)</b>	<b>224,870</b>	<b>542</b>	<b>94</b>	<b>4,446</b>	<b>3</b>	<b>22,633</b>	<b>59,727</b>	<b>137,425</b>

Tons All Traffic (x1000) 6,732  
 Ton-miles All Traffic (x1000) 224,870

SNAKE RIVER, OR, WA AND ID

Section Included: Mouth of Snake River to Johnson Bar Landing. Controlling Depth: 14 feet from mouth to Ice Harbor Lock Approach Channel; 14 feet in Ice Harbor Approach Channel; 14 feet within Ice Harbor pool; 14 feet in Lower Monumental approach channel; 14 feet within lower monumental pool; 14 feet in Little Goose Approach Channel; 14 feet within Little Goose Pool; 14 feet in Lower Granite Approach Channel; 14 feet within Lower Granite Pool; about 3 feet from head of Lower Granite Pool to Johnson Bar Landing. Project Depth: 14 feet from mouth to the Ice Harbor approach channel; 14 feet in Ice Harbor Channel; 14 feet within Ice Harbor pool; 14 feet in Lower Monumental Approach channel; 14 feet within Lower Monumental Pool; 14 feet in Little Goose Approach Channel; 14 feet in Little Goose channel; 14 feet within Little Goose pool; 14 feet in Lower Granite approach channel; 14 feet in Lower Granite Channel; 14 feet within Lower Granite Pool; 2 feet to Johnson Bar Landing.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	4,719	1995	6,804	1998	5,840	<b>2001</b>	<b>5,639</b>
1993	5,339	1996	5,707	1999	5,836		
1994	5,929	1997	6,103	2000	6,707		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Domestic					
		Coastwise	Internal				Intra Upbound
		Through	Inbound	Outbound	Through	Intra	
		Upbound	Upbound	Downbnd	Upbound		
Total, all commodities	5,639	3	1,701	3,045	6	883	1
Total petroleum and petroleum products	1,652	—	1,644	7	—	—	1
Subtotal petroleum products	1,652	—	1,644	7	—	—	1
2211 gasoline	1,085	—	1,076	7	—	—	1
2330 distillate fuel oil	30	—	30	—	—	—	—
2340 residual fuel oil	538	—	538	—	—	—	—
Total chemicals and related products	59	3	55	2	0	0	—
Subtotal fertilizers	37	—	37	—	—	—	—
3110 nitrogenous fert.	37	—	37	—	—	—	—
Subtotal other chemicals and related products	22	3	18	2	0	0	—
3273 ammonia	19	—	18	2	—	—	—
3276 metallic salts	3	3	—	—	—	—	—
3286 plastics	0	—	—	—	0	0	—
Total crude materials, inedible except fuels	241	—	—	171	—	71	—
Subtotal forest products, wood and chips	179	—	—	123	—	57	—
4161 wood chips	179	—	—	123	—	57	—
Subtotal pulp and waste paper	13	—	—	—	—	13	—
4225 pulp & waste paper	13	—	—	—	—	13	—
Subtotal iron ore and scrap	48	—	—	48	—	—	—
4420 iron & steel scrap	48	—	—	48	—	—	—
Subtotal sulphur, clay and salt	1	—	—	—	—	1	—
4782 clay & refrac. mat.	1	—	—	—	—	1	—
Subtotal other non-metal. min.	0	—	—	—	—	0	—
4900 non-metal. min. nec	0	—	—	—	—	0	—
Total primary manufactured goods	16	—	—	—	—	16	—
Subtotal paper products	16	—	—	—	—	16	—
5190 paper products nec	16	—	—	—	—	16	—
Total food and farm products	3,595	—	—	2,866	—	729	—
Subtotal grain	3,580	—	—	2,857	—	724	—
6241 wheat	3,439	—	—	2,739	—	700	—
6443 barley & rye	141	—	—	118	—	24	—
Subtotal vegetable products	15	—	—	9	—	6	—
6654 vegetables & prod.	15	—	—	9	—	6	—
Subtotal other agricultural products	0	—	—	—	—	0	—
6822 dairy products	0	—	—	—	—	0	—
Total all manufactured equipment, machinery and products	75	—	2	—	6	67	—
7800 empty containers	5	—	0	—	3	1	—
7900 manufac. prod. nec	71	—	2	—	3	66	—
Ton-miles (x1000)	341,793	391	17,793	193,732	843	128,860	173

Tons All Traffic (x1000) **5,639**  
 Ton-miles All Traffic (x1000) **341,797**

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)

Section Included: Mouth to International Boundary, a distance of 745 miles. Controlling Depth: 38 feet or better between mouth of Columbia River and mouth of Willamette River; 38 feet to lower turning basin, Vancouver, WA; other channel depths range from 15 to 4 feet. Project Depth: 55/48 feet across entrance bar; 40 feet from mouth of Columbia River to mouth of Willamette River; 40 feet from mouth of Willamette River to Vancouver; Other Project Depths range from 27 to 7 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	51,641	1995	57,124	1998	49,076	<b>2001</b>	<b>50,348</b>
1993	51,243	1996	51,181	1999	50,733		
1994	50,912	1997	52,722	2000	55,193		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Inbound*	Outbound*	Through		Inbound	Outbound	Through	
				Upbound*	Downbnd*			Upbound*	Downbnd
<b>Total, all commodities</b>	<b>31,222</b>	<b>1,562</b>	<b>12,436</b>	<b>3,510</b>	<b>12,824</b>	<b>119</b>	<b>93</b>	<b>639</b>	<b>39</b>
<b>Total coal</b>	<b>18</b>	<b>18</b>	---	---	---	---	---	---	---
1100 coal lignite	18	18	---	---	---	---	---	---	---
<b>Total petroleum and petroleum products</b>	<b>1,678</b>	<b>61</b>	<b>717</b>	<b>602</b>	<b>60</b>	<b>12</b>	<b>87</b>	<b>139</b>	---
<b>Subtotal crude petroleum</b>	<b>175</b>	---	---	<b>175</b>	---	---	---	---	---
2100 crude petroleum	175	---	---	175	---	---	---	---	---
<b>Subtotal petroleum products</b>	<b>1,503</b>	<b>61</b>	<b>717</b>	<b>427</b>	<b>60</b>	<b>12</b>	<b>87</b>	<b>139</b>	---
2211 gasoline	407	57	---	331	---	---	---	20	---
2221 kerosene	17	---	---	17	---	---	---	---	---
2330 distillate fuel oil	127	---	---	60	---	12	---	56	---
2340 residual fuel oil	83	---	---	20	---	---	---	63	---
2350 lube oil & greases	1	---	---	0	1	---	---	---	---
2410 petro. jelly & waxes	0	---	---	0	---	---	---	---	---
2429 naphtha & solvents	1	---	---	---	1	---	---	---	---
2430 asphalt, tar & pitch	5	5	---	---	---	---	---	---	---
2540 petroleum coke	863	---	717	---	59	---	87	---	---
2640 liquid natural gas	0	---	---	---	0	---	---	---	---
<b>Total chemicals and related products</b>	<b>5,391</b>	<b>282</b>	<b>397</b>	<b>365</b>	<b>4,302</b>	<b>20</b>	---	<b>25</b>	---
<b>Subtotal fertilizers</b>	<b>1,901</b>	<b>82</b>	<b>64</b>	<b>151</b>	<b>1,604</b>	---	---	---	---
3110 nitrogenous fert.	230	79	---	151	0	---	---	---	---
3130 potassic fert.	1,667	---	64	---	1,603	---	---	---	---
3190 fert. & mixes nec	4	3	---	0	0	---	---	---	---
<b>Subtotal other chemicals and related products</b>	<b>3,491</b>	<b>200</b>	<b>333</b>	<b>214</b>	<b>2,699</b>	<b>20</b>	---	<b>25</b>	---
3212 benzene & toluene	65	65	---	---	---	---	---	---	---
3219 other hydrocarbons	0	---	---	0	0	---	---	---	---
3220 alcohols	65	5	---	59	1	---	---	---	---
3230 carboxylic acids	7	---	---	0	7	---	---	---	---
3240 nitrogen func. comp.	0	---	---	0	0	---	---	---	---
3250 organo - inorg. comp.	0	---	---	---	0	---	---	---	---
3260 organic comp. nec	4	---	---	1	3	---	---	---	---
3272 sulphuric acid	0	---	---	0	0	---	---	---	---
3273 ammonia	133	---	---	119	0	---	---	14	---
3274 sodium hydroxide	126	126	---	---	0	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	17	0	---	15	2	---	---	---	---
3276 metallic salts	2,530	5	112	2	2,406	---	---	5	---
3279 inorganic chem. nec	1	---	---	1	0	---	---	---	---

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Inbound*	Outbound*	Through		Inbound	Outbound	Through	
				Upbound*	Downbnd*			Upbound*	Downbnd
3282 pigments & paints	1	—	—	0	1	—	—	—	—
3283 coloring mat. nec	0	—	—	—	0	—	—	—	—
3284 medicines	1	—	—	0	1	—	—	—	—
3285 perfumes & cleansers	2	—	—	0	2	—	—	—	—
3286 plastics	28	0	—	12	16	—	—	0	—
3291 pesticides	0	—	—	0	0	—	—	—	—
3292 starches, gluten, glue	499	—	220	1	257	20	—	—	—
3293 explosives	0	—	—	0	—	—	—	—	—
3297 chemical additives	0	—	—	—	0	—	—	—	—
3298 wood & resin chem.	6	—	—	—	—	—	—	6	—
3299 chem. products nec	5	—	—	2	4	—	—	—	—
<b>Total crude materials, inedible except fuels</b>	<b>3,690</b>	<b>400</b>	<b>1,926</b>	<b>326</b>	<b>503</b>	<b>37</b>	<b>6</b>	<b>453</b>	<b>39</b>
<b>Subtotal forest products, wood and chips</b>	<b>1,985</b>	<b>12</b>	<b>1,598</b>	<b>139</b>	<b>178</b>	<b>37</b>	<b>6</b>	<b>15</b>	<b>—</b>
4110 rubber & gums	0	—	—	0	—	—	—	—	—
4150 fuel wood	8	—	—	—	0	8	—	—	—
4161 wood chips	41	—	—	—	—	20	6	15	—
4170 wood in the rough	1,644	0	1,566	44	24	10	—	—	—
4189 lumber	291	11	31	94	154	0	—	—	—
4190 forest products nec	0	—	—	0	0	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>243</b>	<b>22</b>	<b>72</b>	<b>1</b>	<b>149</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	243	22	72	1	149	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>753</b>	<b>203</b>	<b>—</b>	<b>111</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>438</b>	<b>—</b>
4310 building stone	4	—	—	4	—	—	—	0	—
4322 limestone	438	—	—	0	—	—	—	438	—
4323 gypsum	309	203	—	106	—	—	—	—	—
4331 sand & gravel	2	—	—	0	2	—	—	—	—
<b>Subtotal iron ore and scrap</b>	<b>136</b>	<b>—</b>	<b>38</b>	<b>—</b>	<b>98</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	136	—	38	—	98	—	—	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>212</b>	<b>156</b>	<b>20</b>	<b>7</b>	<b>27</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4630 copper ore	3	—	—	—	3	—	—	—	—
4650 aluminum ore	164	156	—	7	0	—	—	—	—
4680 non-ferrous scrap	16	—	—	—	16	—	—	—	—
4690 non-ferrous ores nec	29	—	20	0	8	—	—	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>230</b>	<b>—</b>	<b>192</b>	<b>0</b>	<b>38</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	0	—	—	0	—	—	—	—	—
4782 clay & refrac. mat.	230	—	192	0	38	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>132</b>	<b>7</b>	<b>7</b>	<b>69</b>	<b>12</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>39</b>
4900 non-metal. min. nec	132	7	7	69	12	—	—	—	39
<b>Total primary manufactured goods</b>	<b>2,928</b>	<b>687</b>	<b>328</b>	<b>1,434</b>	<b>411</b>	<b>50</b>	<b>—</b>	<b>18</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>568</b>	<b>1</b>	<b>320</b>	<b>10</b>	<b>237</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
5110 newsprint	329	—	318	—	11	—	—	—	—
5120 paper & paperboard	223	1	2	8	212	—	—	0	—
5190 paper products nec	16	—	—	1	15	—	—	—	—
<b>Subtotal lime, cement and glass</b>	<b>732</b>	<b>—</b>	<b>—</b>	<b>619</b>	<b>45</b>	<b>50</b>	<b>—</b>	<b>18</b>	<b>—</b>
5220 cement & concrete	668	—	—	600	—	50	—	18	—

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Inbound*	Outbound*	Through		Inbound	Outbound	Through	
				Upbound*	Downbnd*			Upbound*	Downbnd
5240 glass & glass prod.	4	—	—	3	1	—	—	0	—
5290 misc. mineral prod.	61	—	—	16	45	—	—	0	—
<b>Subtotal primary iron and steel products</b>	<b>1,210</b>	<b>587</b>	<b>1</b>	<b>622</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5312 pig iron	0	—	—	0	—	—	—	—	—
5315 ferro alloys	43	11	—	32	0	—	—	—	—
5320 i&s primary forms	507	1	—	506	0	—	—	—	—
5330 i&s plates & sheets	512	478	0	34	0	—	—	—	—
5360 i&s bars & shapes	43	37	0	6	0	—	—	—	—
5370 i&s pipe & tube	73	59	0	14	0	—	—	—	—
5390 primary i&s nec	32	1	—	31	0	—	—	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>313</b>	<b>49</b>	<b>1</b>	<b>167</b>	<b>96</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
5421 copper	1	—	—	1	0	—	—	—	—
5422 aluminum	60	43	—	17	1	—	—	—	—
5429 smelted prod. nec	92	—	0	6	86	—	—	—	—
5480 fab. metal products	159	7	1	142	9	—	—	0	—
<b>Subtotal primary wood products</b>	<b>104</b>	<b>50</b>	<b>7</b>	<b>17</b>	<b>31</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	104	50	7	17	31	—	—	—	—
<b>Total food and farm products</b>	<b>16,576</b>	<b>0</b>	<b>9,066</b>	<b>52</b>	<b>7,454</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>
<b>Subtotal fish</b>	<b>9</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>7</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	7	—	—	0	7	—	—	—	—
6136 shellfish	2	—	—	1	0	—	—	—	—
<b>Subtotal grain</b>	<b>13,195</b>	<b>—</b>	<b>7,000</b>	<b>1</b>	<b>6,193</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6241 wheat	10,652	—	5,092	—	5,560	—	—	—	—
6344 corn	1,822	—	1,642	0	180	—	—	—	—
6442 rice	1	—	—	1	0	—	—	—	—
6443 barley & rye	711	—	258	0	453	—	—	—	—
6445 oats	0	—	—	0	0	—	—	—	—
6447 sorghum grains	8	—	8	—	—	—	—	—	—
<b>Subtotal oilseeds</b>	<b>1,739</b>	<b>—</b>	<b>1,713</b>	<b>0</b>	<b>26</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6521 peanuts	0	—	—	—	0	—	—	—	—
6522 soybeans	1,435	—	1,423	0	13	—	—	—	—
6534 flaxseed	0	—	—	—	0	—	—	—	—
6590 oilseeds nec	304	—	290	0	13	—	—	—	—
<b>Subtotal vegetable products</b>	<b>296</b>	<b>—</b>	<b>—</b>	<b>8</b>	<b>288</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6653 vegetable oils	3	—	—	2	0	—	—	—	—
6654 vegetables & prod.	293	—	—	5	288	—	—	—	—
<b>Subtotal processed grain and animal feed</b>	<b>1,150</b>	<b>0</b>	<b>352</b>	<b>9</b>	<b>789</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6746 wheat flour	6	—	—	—	6	—	—	—	—
6747 grain mill products	36	—	4	0	32	—	—	—	—
6781 hay & fodder	640	0	—	2	638	—	—	—	—
6782 animal feed, prep.	469	—	348	7	113	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>187</b>	<b>0</b>	<b>1</b>	<b>32</b>	<b>150</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>
6811 meat, fresh, frozen	10	—	—	0	10	—	—	—	—
6817 meat, prepared	16	—	—	—	16	—	—	—	—
6822 dairy products	32	—	—	—	32	—	—	—	—
6835 fish, prepared	3	—	—	1	2	—	—	—	—
6838 tallow, animal oils	0	—	—	0	0	—	—	—	—
6839 animals & prod. nec	18	—	—	0	18	—	—	—	—
6856 bananas & plantains	0	—	—	0	—	—	—	—	—

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Inbound*	Outbound*	Through		Inbound	Outbound	Through	
				Upbound*	Downbnd*			Upbound*	Downbnd
6857 fruit & nuts nec	16	—	—	1	15	—	—	—	—
6858 fruit juices	10	—	—	4	7	—	—	—	—
6871 coffee	1	—	—	1	0	—	—	—	—
6885 alcoholic beverages	17	—	—	14	1	—	—	3	—
6888 water & ice	6	—	—	6	—	—	—	0	—
6889 food products nec	27	0	—	3	24	—	—	—	—
6891 tobacco & products	0	—	—	0	0	—	—	—	—
6893 cotton	0	—	—	0	0	—	—	—	—
6894 natural fibers nec	6	—	1	0	5	—	—	—	—
6899 farm products nec	23	—	—	2	21	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>914</b>	<b>113</b>	<b>2</b>	<b>720</b>	<b>79</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>
7110 machinery (not elec)	33	9	1	11	12	—	—	0	—
7120 electrical machinery	38	6	—	20	13	—	—	0	—
7210 vehicles & parts	712	93	0	590	29	—	—	—	—
7220 aircraft & parts	0	—	—	0	0	—	—	—	—
7230 ships & boats	0	0	0	0	0	—	—	—	—
7400 manufac. wood prod.	12	1	0	4	7	—	—	—	—
7500 textile products	25	0	1	20	5	—	—	—	—
7600 rubber & plastic pr.	30	3	0	21	6	0	—	0	—
7900 manufac. prod. nec	63	0	—	55	7	0	—	0	—
<b>Total unknown or not elsewhere classified</b>	<b>27</b>	<b>1</b>	<b>0</b>	<b>11</b>	<b>14</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
9900 unknown or nec	27	1	0	11	14	—	—	0	—
<b>Ton-miles Foreign &amp; Canadian (x1000)</b>	<b>2,810,519</b>	<b>124,548</b>	<b>990,085</b>	<b>348,763</b>	<b>1,264,726</b>	<b>10,106</b>	<b>5,881</b>	<b>62,636</b>	<b>3,773</b>

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
<b>Total, all commodities</b>	<b>6,766</b>	<b>728</b>	<b>280</b>	<b>5,428</b>	<b>330</b>
<b>Total petroleum and petroleum products</b>	<b>5,663</b>	<b>193</b>	<b>20</b>	<b>5,207</b>	<b>243</b>
<b>Subtotal petroleum products</b>	<b>5,663</b>	<b>193</b>	<b>20</b>	<b>5,207</b>	<b>243</b>
2211 gasoline	3,406	44	—	3,321	41
2221 kerosene	15	—	—	15	—
2330 distillate fuel oil	1,366	149	10	1,140	67
2340 residual fuel oil	585	—	10	553	23
2350 lube oil & greases	154	—	—	154	—
2429 naphtha & solvents	51	—	—	24	27
2430 asphalt, tar & pitch	86	—	—	—	86
<b>Total chemicals and related products</b>	<b>177</b>	<b>50</b>	<b>27</b>	<b>88</b>	<b>13</b>
<b>Subtotal fertilizers</b>	<b>80</b>	<b>—</b>	<b>7</b>	<b>73</b>	<b>—</b>
3110 nitrogenous fert.	79	—	6	73	—
3190 fert. & mixes nec	1	—	1	—	—
<b>Subtotal other chemicals and related products</b>	<b>97</b>	<b>50</b>	<b>19</b>	<b>15</b>	<b>13</b>
3212 benzene & toluene	22	22	—	—	—
3220 alcohols	12	—	—	—	12
3260 organic comp. nec	13	—	—	13	—
3274 sodium hydroxide	32	27	4	—	—
3276 metallic salts	18	—	15	3	—
3286 plastics	1	—	—	—	1
<b>Total crude materials, inedible except fuels</b>	<b>844</b>	<b>485</b>	<b>199</b>	<b>132</b>	<b>29</b>
<b>Subtotal forest products, wood and chips</b>	<b>831</b>	<b>485</b>	<b>199</b>	<b>132</b>	<b>16</b>
4161 wood chips	526	485	3	38	—

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
4170 wood in the rough	94	—	—	92	2
4189 lumber	211	—	196	1	13
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>14</b>	—	—	—	<b>14</b>
4331 sand & gravel	14	—	—	—	14
<b>Total primary manufactured goods</b>	<b>51</b>	—	<b>29</b>	<b>1</b>	<b>22</b>
<b>Subtotal paper products</b>	<b>26</b>	—	<b>24</b>	—	<b>2</b>
5190 paper products nec	26	—	24	—	2
<b>Subtotal lime, cement and glass</b>	<b>3</b>	—	<b>1</b>	—	<b>2</b>
5290 misc. mineral prod.	3	—	1	—	2
<b>Subtotal primary iron and steel products</b>	<b>12</b>	—	—	—	<b>12</b>
5360 i&s bars & shapes	12	—	—	—	12
5370 i&s pipe & tube	0	—	—	—	0
<b>Subtotal primary non-ferrous metal products</b>	<b>1</b>	—	<b>1</b>	—	<b>0</b>
5480 fab. metal products	1	—	1	—	0
<b>Subtotal primary wood products</b>	<b>10</b>	—	<b>3</b>	<b>1</b>	<b>6</b>
5540 primary wood prod.	10	—	3	1	6
<b>Total food and farm products</b>	<b>24</b>	—	<b>1</b>	—	<b>23</b>
<b>Subtotal grain</b>	<b>23</b>	—	<b>1</b>	—	<b>22</b>
6241 wheat	22	—	—	—	22
6442 rice	1	—	1	—	—
<b>Subtotal other agricultural products</b>	<b>0</b>	—	—	—	<b>0</b>
6858 fruit juices	0	—	—	—	0
<b>Total all manufactured equipment, machinery and products</b>	<b>7</b>	—	<b>5</b>	<b>1</b>	<b>0</b>
7110 machinery (not elec)	0	—	—	—	0
7210 vehicles & parts	2	—	2	—	0
7230 ships & boats	0	—	—	—	0
7400 manufac. wood prod.	3	—	3	—	—
7900 manufac. prod. nec	2	—	—	1	0
<b>Ton-miles (x1000)</b>	<b>632,044</b>	<b>49,988</b>	<b>23,780</b>	<b>526,113</b>	<b>32,163</b>
<b>Coastwise</b>					

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total, all commodities</b>	<b>12,360</b>	<b>1,051</b>	<b>1,813</b>	<b>478</b>	<b>2,189</b>	<b>2,537</b>	<b>2,291</b>	<b>564</b>	<b>1,436</b>
<b>Total petroleum and petroleum products</b>	<b>2,222</b>	<b>377</b>	<b>87</b>	<b>78</b>	<b>14</b>	<b>1,597</b>	<b>57</b>	<b>10</b>	<b>0</b>
<b>Subtotal petroleum products</b>	<b>2,222</b>	<b>377</b>	<b>87</b>	<b>78</b>	<b>14</b>	<b>1,597</b>	<b>57</b>	<b>10</b>	<b>0</b>
2211 gasoline	1,093	4	—	12	6	1,063	7	—	—
2330 distillate fuel oil	54	9	4	4	8	25	3	—	0
2340 residual fuel oil	1,073	363	83	61	0	508	47	10	—
2350 lube oil & greases	1	1	0	—	—	—	—	0	0
<b>Total chemicals and related products</b>	<b>271</b>	<b>147</b>	<b>2</b>	<b>24</b>	—	<b>37</b>	<b>0</b>	<b>33</b>	<b>29</b>
<b>Subtotal fertilizers</b>	<b>104</b>	<b>3</b>	—	<b>24</b>	—	<b>19</b>	—	<b>31</b>	<b>27</b>
3110 nitrogenous fert.	103	3	—	24	—	19	—	31	26
3190 fert. & mixes nec	1	—	—	—	—	—	—	—	1
<b>Subtotal other chemicals and related products</b>	<b>167</b>	<b>144</b>	<b>2</b>	—	—	<b>18</b>	<b>0</b>	<b>2</b>	<b>2</b>
3273 ammonia	158	139	2	—	—	18	—	—	—
3274 sodium hydroxide	9	5	—	—	—	—	—	2	2
3286 plastics	0	—	—	—	—	0	0	—	—
<b>Total crude materials, inedible except fuels</b>	<b>4,261</b>	<b>518</b>	<b>229</b>	<b>344</b>	<b>1,248</b>	<b>898</b>	<b>48</b>	<b>291</b>	<b>685</b>
<b>Subtotal forest products, wood and chips</b>	<b>1,055</b>	<b>50</b>	<b>197</b>	<b>62</b>	<b>56</b>	—	—	<b>182</b>	<b>507</b>
4161 wood chips	632	48	181	—	—	—	—	95	307

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
4170 wood in the rough	424	2	16	62	56	—	—	87	200
4189 lumber	0	—	—	—	0	—	—	—	—
<b>Subtotal pulp and waste paper</b>	<b>13</b>	<b>—</b>	<b>13</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	13	—	13	—	—	—	—	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>3,144</b>	<b>468</b>	<b>17</b>	<b>282</b>	<b>1,192</b>	<b>898</b>	<b>—</b>	<b>109</b>	<b>178</b>
4331 sand & gravel	3,144	468	17	282	1,192	898	—	109	178
<b>Subtotal iron ore and scrap</b>	<b>48</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>47</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	48	—	1	—	0	—	47	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>
4782 clay & refrac. mat.	1	—	—	—	—	—	1	—	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>
4900 non-metal. min. nec	0	—	—	—	—	—	0	—	—
<b>Total primary manufactured goods</b>	<b>22</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>16</b>	<b>4</b>	<b>2</b>
<b>Subtotal paper products</b>	<b>16</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>16</b>	<b>—</b>	<b>—</b>
5190 paper products nec	16	—	—	—	0	—	16	—	—
<b>Subtotal lime, cement and glass</b>	<b>4</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>4</b>	<b>—</b>
5220 cement & concrete	4	—	—	—	—	—	—	4	—
<b>Subtotal primary iron and steel products</b>	<b>2</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2</b>
5360 i&s bars & shapes	2	—	—	—	0	—	—	—	2
<b>Subtotal primary non-ferrous metal products</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
5480 fab. metal products	0	—	—	—	0	—	—	—	—
<b>Total food and farm products</b>	<b>5,150</b>	<b>0</b>	<b>1,489</b>	<b>30</b>	<b>793</b>	<b>—</b>	<b>2,110</b>	<b>9</b>	<b>719</b>
<b>Subtotal grain</b>	<b>5,032</b>	<b>—</b>	<b>1,489</b>	<b>30</b>	<b>695</b>	<b>—</b>	<b>2,095</b>	<b>9</b>	<b>714</b>
6241 wheat	4,861	—	1,433	30	682	—	2,009	9	698
6344 corn	1	—	—	—	1	—	—	—	—
6443 barley & rye	171	—	56	—	13	—	86	—	17
<b>Subtotal oilseeds</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>
6522 soybeans	3	—	—	—	—	—	—	—	3
<b>Subtotal vegetable products</b>	<b>27</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>12</b>	<b>—</b>	<b>15</b>	<b>—</b>	<b>—</b>
6654 vegetables & prod.	27	0	—	—	12	—	15	—	—
<b>Subtotal processed grain and animal feed</b>	<b>33</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>33</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
6781 hay & fodder	33	0	—	—	33	—	—	—	—
<b>Subtotal other agricultural products</b>	<b>56</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>53</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>2</b>
6822 dairy products	12	—	—	—	12	—	0	—	—
6887 groceries	40	—	—	—	39	—	—	—	2
6889 food products nec	2	—	—	—	2	—	—	—	0
6899 farm products nec	1	—	—	—	1	—	—	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>217</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>133</b>	<b>6</b>	<b>61</b>	<b>0</b>	<b>1</b>
7800 empty containers	14	6	0	—	3	4	1	0	0
7900 manufac. prod. nec	204	3	6	2	130	3	60	—	1

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
<b>Total waste and scrap nec</b>	<b>217</b>	—	—	—	—	—	—	<b>217</b>	—
8900 waste and scrap nec	217	—	—	—	—	—	—	217	—
<b>Ton-miles Internal (x1000)</b>	<b>1,901,813</b>	<b>91,298</b>	<b>400,992</b>	<b>29,058</b>	<b>267,760</b>	<b>369,379</b>	<b>497,888</b>	<b>51,140</b>	<b>194,298</b>
<b>Tons All Traffic (x1000)</b>					<b>50,348</b>				
<b>Ton-miles All Traffic (x1000)</b>					<b>5,344,376</b>				

\*Includes 19 (x1000) tons of foreign inbound in-transits; Includes 48 (x1000) tons of foreign outbound in-transits;  
Includes 58 (x1000) tons of foreign upbound through in-transits; Includes 189 (x1000) tons of foreign downbound through in-transits;  
Includes 0 (x1000) tons of Canadian upbound through in-transits.

COLUMBIA RIVER SYSTEM

Section Included: Main channels and all navigable tributaries of the Columbia, Willamette and Snake Rivers.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	53,427	1995	60,092	1998	50,435	<b>2001</b>	<b>51,410</b>
1993	53,558	1996	54,023	1999	51,766		
1994	52,607	1997	54,257	2000	56,159		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound
<b>Total, all commodities</b>	<b>31,222</b>	<b>5,072</b>	<b>25,260</b>	<b>758</b>	<b>132</b>
<b>Total coal</b>	<b>18</b>	<b>18</b>	<b>—</b>	<b>—</b>	<b>—</b>
1100 coal lignite	18	18	—	—	—
<b>Total petroleum and petroleum products</b>	<b>1,678</b>	<b>663</b>	<b>777</b>	<b>151</b>	<b>87</b>
<b>Subtotal crude petroleum</b>	<b>175</b>	<b>175</b>	<b>—</b>	<b>—</b>	<b>—</b>
2100 crude petroleum	175	175	—	—	—
<b>Subtotal petroleum products</b>	<b>1,503</b>	<b>488</b>	<b>777</b>	<b>151</b>	<b>87</b>
2211 gasoline	407	387	—	20	—
2221 kerosene	17	17	—	—	—
2330 distillate fuel oil	127	60	—	67	—
2340 residual fuel oil	83	20	—	63	—
2350 lube oil & greases	1	0	1	—	—
2410 petro. jelly & waxes	0	0	—	—	—
2429 naphtha & solvents	1	—	1	—	—
2430 asphalt, tar & pitch	5	5	—	—	—
2540 petroleum coke	863	—	776	—	87
2640 liquid natural gas	0	—	0	—	—
<b>Total chemicals and related products</b>	<b>5,391</b>	<b>647</b>	<b>4,699</b>	<b>45</b>	<b>—</b>
<b>Subtotal fertilizers</b>	<b>1,901</b>	<b>233</b>	<b>1,668</b>	<b>—</b>	<b>—</b>
3110 nitrogenous fert.	230	230	0	—	—
3130 potassic fert.	1,667	—	1,667	—	—
3190 fert. & mixes nec	4	3	0	—	—
<b>Subtotal other chemicals and related products</b>	<b>3,491</b>	<b>414</b>	<b>3,031</b>	<b>45</b>	<b>—</b>
3212 benzene & toluene	65	65	—	—	—
3219 other hydrocarbons	0	0	0	—	—
3220 alcohols	65	64	1	—	—
3230 carboxylic acids	7	0	7	—	—
3240 nitrogen func. comp.	0	0	0	—	—
3250 organo - inorg. comp.	0	—	0	—	—
3260 organic comp. nec	4	1	3	—	—
3272 sulphuric acid	0	0	0	—	—
3273 ammonia	133	119	0	14	—
3274 sodium hydroxide	126	126	0	—	—
3275 inorg. elem., oxides, & halogen salts	17	15	2	—	—
3276 metallic salts	2,530	7	2,518	5	—
3279 inorganic chem. nec	1	1	0	—	—
3282 pigments & paints	1	0	1	—	—
3283 coloring mat. nec	0	—	0	—	—
3284 medicines	1	0	1	—	—
3285 perfumes & cleansers	2	0	2	—	—
3286 plastics	28	12	16	0	—
3291 pesticides	0	0	0	—	—
3292 starches, gluten, glue	499	1	478	20	—
3293 explosives	0	0	—	—	—
3297 chemical additives	0	—	0	—	—
3298 wood & resin chem.	6	—	—	6	—
3299 chem. products nec	5	2	4	—	—
<b>Total crude materials, inedible except fuels</b>	<b>3,690</b>	<b>726</b>	<b>2,429</b>	<b>490</b>	<b>44</b>
<b>Subtotal forest products, wood and chips</b>	<b>1,985</b>	<b>150</b>	<b>1,776</b>	<b>52</b>	<b>6</b>
4110 rubber & gums	0	0	—	—	—
4150 fuel wood	8	—	0	8	—
4161 wood chips	41	—	—	35	6
4170 wood in the rough	1,644	45	1,590	10	—
4189 lumber	291	105	186	0	—
4190 forest products nec	0	0	0	—	—
<b>Subtotal pulp and waste paper</b>	<b>243</b>	<b>23</b>	<b>220</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	243	23	220	—	—
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>753</b>	<b>314</b>	<b>2</b>	<b>438</b>	<b>—</b>
4310 building stone	4	4	—	0	—
4322 limestone	438	0	—	438	—
4323 gypsum	309	309	—	—	—
4331 sand & gravel	2	0	2	—	—
<b>Subtotal iron ore and scrap</b>	<b>136</b>	<b>—</b>	<b>136</b>	<b>—</b>	<b>—</b>
4420 iron & steel scrap	136	—	136	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>212</b>	<b>164</b>	<b>48</b>	<b>—</b>	<b>—</b>
4630 copper ore	3	—	3	—	—
4650 aluminum ore	164	164	0	—	—
4680 non-ferrous scrap	16	—	16	—	—
4690 non-ferrous ores nec	29	0	28	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>230</b>	<b>0</b>	<b>229</b>	<b>—</b>	<b>—</b>
4741 sulphur, (dry)	0	0	—	—	—

COLUMBIA RIVER SYSTEM  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound
4782 clay & refrac. mat.	230	0	229	—	—
<b>Subtotal other non-metal. min.</b>	<b>132</b>	<b>76</b>	<b>18</b>	<b>—</b>	<b>39</b>
4900 non-metal. min. nec	132	76	18	—	39
<b>Total primary manufactured goods</b>	<b>2,928</b>	<b>2,120</b>	<b>739</b>	<b>69</b>	<b>—</b>
<b>Subtotal paper products</b>	<b>568</b>	<b>11</b>	<b>557</b>	<b>0</b>	<b>—</b>
5110 newsprint	329	—	329	—	—
5120 paper & paperboard	223	10	213	0	—
5190 paper products nec	16	1	15	—	—
<b>Subtotal lime, cement and glass</b>	<b>732</b>	<b>619</b>	<b>45</b>	<b>68</b>	<b>—</b>
5220 cement & concrete	668	600	—	68	—
5240 glass & glass prod.	4	3	1	0	—
5290 misc. mineral prod.	61	16	45	0	—
<b>Subtotal primary iron and steel products</b>	<b>1,210</b>	<b>1,208</b>	<b>1</b>	<b>—</b>	<b>—</b>
5312 pig iron	0	0	—	—	—
5315 ferro alloys	43	43	0	—	—
5320 i&s primary forms	507	507	0	—	—
5330 i&s plates & sheets	512	512	1	—	—
5360 i&s bars & shapes	43	43	0	—	—
5370 i&s pipe & tube	73	73	0	—	—
5390 primary i&s nec	32	31	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>313</b>	<b>216</b>	<b>97</b>	<b>0</b>	<b>—</b>
5421 copper	1	1	0	—	—
5422 aluminum	60	60	1	—	—
5429 smelted prod. nec	92	6	86	—	—
5480 fab. metal products	159	149	10	0	—
<b>Subtotal primary wood products</b>	<b>104</b>	<b>66</b>	<b>38</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	104	66	38	—	—
<b>Total food and farm products</b>	<b>16,576</b>	<b>53</b>	<b>16,520</b>	<b>3</b>	<b>—</b>
<b>Subtotal fish</b>	<b>9</b>	<b>2</b>	<b>7</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	7	0	7	—	—
6136 shellfish	2	1	0	—	—
<b>Subtotal grain</b>	<b>13,195</b>	<b>1</b>	<b>13,194</b>	<b>—</b>	<b>—</b>
6241 wheat	10,652	—	10,652	—	—
6344 corn	1,822	0	1,822	—	—
6442 rice	1	1	0	—	—
6443 barley & rye	711	0	711	—	—
6445 oats	0	0	0	—	—
6447 sorghum grains	8	—	8	—	—
<b>Subtotal oilseeds</b>	<b>1,739</b>	<b>0</b>	<b>1,739</b>	<b>—</b>	<b>—</b>
6521 peanuts	0	—	0	—	—
6522 soybeans	1,435	0	1,435	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	304	0	304	—	—
<b>Subtotal vegetable products</b>	<b>296</b>	<b>8</b>	<b>288</b>	<b>—</b>	<b>—</b>
6653 vegetable oils	3	2	0	—	—
6654 vegetables & prod.	293	5	288	—	—
<b>Subtotal processed grain and animal feed</b>	<b>1,150</b>	<b>9</b>	<b>1,141</b>	<b>—</b>	<b>—</b>
6746 wheat flour	6	—	6	—	—
6747 grain mill products	36	0	36	—	—
6781 hay & fodder	640	2	638	—	—
6782 animal feed, prep.	469	7	461	—	—
<b>Subtotal other agricultural products</b>	<b>187</b>	<b>32</b>	<b>151</b>	<b>3</b>	<b>—</b>
6811 meat, fresh, frozen	10	0	10	—	—
6817 meat, prepared	16	—	16	—	—
6822 dairy products	32	—	32	—	—
6835 fish, prepared	3	1	2	—	—
6838 tallow, animal oils	0	0	0	—	—
6839 animals & prod. nec	18	0	18	—	—
6856 bananas & plantains	0	0	—	—	—
6857 fruit & nuts nec	16	1	15	—	—
6858 fruit juices	10	4	7	—	—
6871 coffee	1	1	0	—	—
6885 alcoholic beverages	17	14	1	3	—
6888 water & ice	6	6	—	0	—
6889 food products nec	27	3	24	—	—
6891 tobacco & products	0	0	0	—	—
6893 cotton	0	0	0	—	—
6894 natural fibers nec	6	0	6	—	—
6899 farm products nec	23	2	21	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>914</b>	<b>833</b>	<b>81</b>	<b>0</b>	<b>—</b>
7110 machinery (not elec)	33	20	13	0	—
7120 electrical machinery	38	26	13	0	—
7210 vehicles & parts	712	683	29	—	—
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	0	0	0	—	—
7400 manufac. wood prod.	12	5	8	—	—
7500 textile products	25	20	6	—	—
7600 rubber & plastic pr.	30	24	6	0	—
7900 manufac. prod. nec	63	56	7	0	—
<b>Total unknown or not elsewhere classified</b>	<b>27</b>	<b>12</b>	<b>15</b>	<b>0</b>	<b>—</b>
9900 unknown or nec	27	12	15	0	—

COLUMBIA RIVER SYSTEM  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound
<b>Ton-miles (x1000) Foreign &amp; Canadian</b>	<b>1,282,710</b>	<b>150,029</b>	<b>1,109,253</b>	<b>17,123</b>	<b>6,305</b>

  

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Intra Upbound	Downbnd
<b>Total, all commodities</b>	<b>20,188</b>	<b>6,156</b>	<b>610</b>	<b>9,331</b>	<b>4,091</b>
<b>Total petroleum and petroleum products</b>	<b>8,062</b>	<b>5,400</b>	<b>263</b>	<b>2,261</b>	<b>137</b>
<b>Subtotal petroleum products</b>	<b>8,062</b>	<b>5,400</b>	<b>263</b>	<b>2,261</b>	<b>137</b>
2211 gasoline	4,536	3,365	41	1,130	—
2221 kerosene	15	15	—	—	—
2330 distillate fuel oil	1,445	1,289	77	73	7
2340 residual fuel oil	1,772	553	32	1,056	130
2350 lube oil & greases	157	154	—	2	0
2429 naphtha & solvents	51	24	27	—	—
2430 asphalt, tar & pitch	86	—	86	—	—
<b>Total chemicals and related products</b>	<b>467</b>	<b>138</b>	<b>39</b>	<b>259</b>	<b>30</b>
<b>Subtotal fertilizers</b>	<b>183</b>	<b>73</b>	<b>7</b>	<b>77</b>	<b>27</b>
3110 nitrogenous fert.	182	73	6	77	26
3190 fert. & mixes nec	2	—	1	—	1
<b>Subtotal other chemicals and related products</b>	<b>283</b>	<b>65</b>	<b>32</b>	<b>183</b>	<b>3</b>
3212 benzene & toluene	22	22	—	—	—
3220 alcohols	31	—	12	19	—
3260 organic comp. nec	13	13	—	—	—
3273 ammonia	158	—	—	157	2
3274 sodium hydroxide	41	27	4	7	2
3276 metallic salts	18	3	15	—	—
3286 plastics	1	—	1	0	—
<b>Total crude materials, inedible except fuels</b>	<b>5,966</b>	<b>616</b>	<b>228</b>	<b>3,415</b>	<b>1,707</b>
<b>Subtotal forest products, wood and chips</b>	<b>1,889</b>	<b>616</b>	<b>214</b>	<b>354</b>	<b>705</b>
4161 wood chips	1,157	523	3	143	488
4170 wood in the rough	521	92	2	210	216
4189 lumber	211	1	209	0	—
<b>Subtotal pulp and waste paper</b>	<b>13</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>13</b>
4225 pulp & waste paper	13	—	—	—	13
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>4,015</b>	<b>—</b>	<b>14</b>	<b>3,014</b>	<b>988</b>
4331 sand & gravel	4,015	—	14	3,014	988
<b>Subtotal iron ore and scrap</b>	<b>48</b>	<b>—</b>	<b>—</b>	<b>47</b>	<b>1</b>
4420 iron & steel scrap	48	—	—	47	1
<b>Subtotal sulphur, clay and salt</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>
4782 clay & refrac. mat.	1	—	—	1	—
<b>Subtotal other non-metal. min.</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>
4900 non-metal. min. nec	0	—	—	0	—
<b>Total primary manufactured goods</b>	<b>73</b>	<b>1</b>	<b>51</b>	<b>20</b>	<b>2</b>
<b>Subtotal paper products</b>	<b>42</b>	<b>—</b>	<b>26</b>	<b>16</b>	<b>—</b>
5190 paper products nec	42	—	26	16	—
<b>Subtotal lime, cement and glass</b>	<b>7</b>	<b>—</b>	<b>3</b>	<b>4</b>	<b>—</b>
5220 cement & concrete	4	—	—	4	—
5290 misc. mineral prod.	3	—	3	—	—
<b>Subtotal primary iron and steel products</b>	<b>14</b>	<b>—</b>	<b>12</b>	<b>0</b>	<b>2</b>
5360 i&s bars & shapes	14	—	12	0	2
5370 i&s pipe & tube	0	—	0	—	—
<b>Subtotal primary non-ferrous metal products</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>0</b>	<b>—</b>
5480 fab. metal products	1	—	1	0	—
<b>Subtotal primary wood products</b>	<b>10</b>	<b>1</b>	<b>9</b>	<b>—</b>	<b>—</b>
5540 primary wood prod.	10	1	9	—	—
<b>Total food and farm products</b>	<b>5,179</b>	<b>—</b>	<b>24</b>	<b>2,948</b>	<b>2,208</b>
<b>Subtotal grain</b>	<b>5,061</b>	<b>—</b>	<b>23</b>	<b>2,834</b>	<b>2,203</b>
6241 wheat	4,886	—	22	2,733	2,131
6344 corn	1	—	—	1	—
6442 rice	1	—	1	—	—
6443 barley & rye	173	—	—	101	72
<b>Subtotal oilseeds</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>
6522 soybeans	3	—	—	—	3
<b>Subtotal vegetable products</b>	<b>27</b>	<b>—</b>	<b>—</b>	<b>27</b>	<b>—</b>
6654 vegetables & prod.	27	—	—	27	—
<b>Subtotal processed grain and animal feed</b>	<b>33</b>	<b>—</b>	<b>—</b>	<b>33</b>	<b>—</b>
6781 hay & fodder	33	—	—	33	—
<b>Subtotal other agricultural products</b>	<b>56</b>	<b>—</b>	<b>0</b>	<b>54</b>	<b>2</b>
6822 dairy products	12	—	—	12	—
6858 fruit juices	0	—	0	—	—
6887 groceries	40	—	—	39	2
6888 water & ice	1	—	—	1	—
6889 food products nec	2	—	—	2	0
6899 farm products nec	1	—	—	1	—

COLUMBIA RIVER SYSTEM  
Freight Traffic, 2001 - continued  
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Intra Upbound	Intra Downbnd
<b>Total all manufactured equipment, machinery and products</b>	<b>224</b>	<b>1</b>	<b>5</b>	<b>210</b>	<b>7</b>
7110 machinery (not elec)	0	—	0	—	—
7210 vehicles & parts	2	—	2	—	—
7230 ships & boats	0	—	0	—	—
7400 manufac. wood prod.	3	—	3	—	—
7800 empty containers	14	—	—	13	0
7900 manufac. prod. nec	205	1	0	197	7
<b>Total waste and scrap nec</b>	<b>217</b>	<b>—</b>	<b>—</b>	<b>217</b>	<b>—</b>
8900 waste and scrap nec	217	—	—	217	—
<b>Ton-miles (x1000) Domestic</b>	<b>656,518</b>	<b>90,729</b>	<b>21,474</b>	<b>337,915</b>	<b>206,400</b>
<b>Tons All Traffic (x1000)</b>	<b>51,410</b>				
<b>Ton-miles All Traffic (x1000)</b>	<b>1,939,228</b>				

\*Includes 77 (x1000) tons of foreign inbound in-transits; Includes 236 (x1000) tons of foreign outbound in-transits;  
Includes 0 (x1000) tons of Canadian inbound in-transits.

TOTAL WATERBORNE COMMERCE, COLUMBIA RIVER BASIN, OR, WA, AND ID

Freight Traffic, 2001  
(thousand short tons)

Locality	*Foreign/Canadian		Domestic				Total	Percent	Through
	Inbound	Outbound	Coastwise		Internal				Traffic
			Receipts	Shipmnts	Receipts Shipmnts	Intraport			
CHINOOK CHANNEL, WA	---	---	---	---	---	---	---	0.00	---
CLATSKANIE RIVER, OR	---	---	---	---	---	---	---	0.00	---
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUV	4,635	23,401	5,991	579	10,190	1,444	46,242	74.42	4,755
COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO	---	---	---	---	2,161	---	2,161	3.48	6,712
COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK A	---	---	---	17	1,080	---	1,097	1.77	5,636
COLUMBIA RIVER AT BAKERS BAY, WA	---	---	---	---	---	---	---	0.00	---
COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLE	---	---	31	1	804	132	968	1.56	8,825
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS	---	---	---	---	---	---	---	0.00	---
COWLITZ RIVER, WA	---	---	---	---	---	---	---	0.00	---
DEEP RIVER, WA	---	---	---	---	---	---	---	0.00	---
ELOKOMIN SLOUGH, WA	---	---	---	---	---	---	---	0.00	---
GRAYS RIVER, WA	---	---	---	---	---	---	---	0.00	---
LAKE RIVER, WA	---	---	---	---	---	---	---	0.00	---
LEWIS RIVER, WA	---	---	---	---	---	---	---	0.00	---
MULTNOMAH CHANNEL, OR	---	---	60	14	1,545	3	1,621	2.61	---
OREGON SLOUGH (NORTH PORTLAND HARBOR), OR	1,195	1,991	---	---	403	---	3,589	5.78	---
SKAMOKAWA (STEAMBOAT) SLOUGH, WA	---	---	---	---	0	---	0	0.00	---
SKAMOKAWA CREEK, WA	---	---	---	---	---	---	---	0.00	---
SKIPANON CHANNEL, OR	---	---	71	---	37	---	108	0.17	---
SNAKE RIVER, OR, WA AND ID	---	---	---	---	4,746	1	4,748	7.64	891
WESTPORT SLOUGH, OR	---	---	---	---	---	---	---	0.00	---
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER	---	---	---	---	1,374	227	1,601	2.58	---
YOUNGS BAY AND YOUNGS RIVER, OR	---	---	---	---	---	---	---	0.00	---
TOTAL (UNADJUSTED)	5,830	25,392	6,153	610	22,341	1,807	62,134	---	26,819
PERCENT (UNADJUSTED)	9.38	40.87	9.90	0.98	35.96	2.91	---	100.00	---
NET VOLUME OF TONNAGE FOR THE BASIN**	5,830	25,392	6,153	610	11,615	1,807	51,407	---	3
PERCENT (ADJUSTED)	11.34	49.39	11.97	1.19	22.59	3.52	---	100.00	---

\* Through traffic not credited as such to total tonnage for Basin, but credited to projects or rivers where shipped or received.

\*\* Adjusted to net volume by excluding duplication of internal traffic moved between the separate waterways of the Basin.

Trips and Drafts of Vessels, 2001  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK AND DAM TO KENNEWICK, WA**

Upbound							Downbound					
<b>Grand Total</b>	<b>3,025</b>	<b>7</b>	<b>—</b>	<b>858</b>	<b>1,496</b>	<b>664</b>	<b>3,187</b>	<b>7</b>	<b>—</b>	<b>913</b>	<b>1,496</b>	<b>771</b>
DOMESTIC												
<b>Total</b>	<b>3,025</b>	<b>7</b>	<b>—</b>	<b>858</b>	<b>1,496</b>	<b>664</b>	<b>3,187</b>	<b>7</b>	<b>—</b>	<b>913</b>	<b>1,496</b>	<b>771</b>
17	30	—	—	—	—	30	—	—	—	—	—	—
16	1	—	—	—	1	—	176	—	—	—	176	—
15	40	—	—	—	—	40	1	—	—	—	1	—
14	35	—	—	—	6	29	359	—	—	—	95	264
13	180	—	—	—	31	149	330	—	—	—	252	78
12	2,739	7	—	858	1,458	416	2,321	7	—	913	972	429
<b>Total trips:</b>											<b>6,212</b>	

**SNAKE RIVER, OR, WA AND ID**

Upbound							Downbound					
<b>Grand Total</b>	<b>2,647</b>	<b>7</b>	<b>—</b>	<b>925</b>	<b>1,118</b>	<b>597</b>	<b>2,989</b>	<b>7</b>	<b>—</b>	<b>938</b>	<b>1,408</b>	<b>636</b>
DOMESTIC												
<b>Total</b>	<b>2,647</b>	<b>7</b>	<b>—</b>	<b>925</b>	<b>1,118</b>	<b>597</b>	<b>2,989</b>	<b>7</b>	<b>—</b>	<b>938</b>	<b>1,408</b>	<b>636</b>
17	32	—	—	—	1	31	—	—	—	—	—	—
16	1	—	—	—	1	—	145	—	—	—	145	—
15	40	—	—	—	—	40	1	—	—	—	1	—
14	44	—	—	—	15	29	301	—	—	—	81	220
13	197	—	—	—	42	155	424	—	—	—	356	68
12	241	—	—	70	94	77	242	—	—	58	169	15
11	110	—	—	110	—	—	158	—	—	115	43	—
10	387	—	—	351	7	29	377	—	—	346	31	—
9	247	—	—	182	63	2	264	—	—	212	52	—
8	25	5	—	20	—	—	29	5	—	23	1	—
7	158	2	—	155	1	—	151	2	—	148	—	1
6	25	—	—	24	1	—	23	—	—	23	—	—
5	8	—	—	6	1	1	9	—	—	6	—	3
3	160	—	—	—	151	2	56	—	—	7	45	4
2	972	—	—	—	741	231	809	—	—	—	484	325
<b>Total trips:</b>											<b>5,636</b>	

**COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY**

Upbound							Downbound					
<b>Grand Total</b>	<b>56,348</b>	<b>40,409</b>	<b>206</b>	<b>8,933</b>	<b>5,031</b>	<b>1,769</b>	<b>23,485</b>	<b>8,662</b>	<b>211</b>	<b>8,284</b>	<b>4,536</b>	<b>1,792</b>
FOREIGN												
<b>Total</b>	<b>1,875</b>	<b>1,619</b>	<b>76</b>	<b>93</b>	<b>70</b>	<b>17</b>	<b>1,826</b>	<b>1,573</b>	<b>80</b>	<b>93</b>	<b>68</b>	<b>12</b>
40	—	—	—	—	—	—	37	35	2	—	—	—
39	3	2	1	—	—	—	42	40	2	—	—	—
38	9	4	5	—	—	—	57	57	—	—	—	—
37	17	15	2	—	—	—	40	38	2	—	—	—
36	9	8	1	—	—	—	84	84	—	—	—	—
35	30	26	4	—	—	—	63	62	1	—	—	—
34	63	59	4	—	—	—	124	122	—	1	1	—
33	46	38	8	—	—	—	96	94	2	—	—	—
32	57	54	3	—	—	—	152	149	3	—	—	—
31	58	53	5	—	—	—	124	122	2	—	—	—
30	58	50	8	—	—	—	68	62	6	—	—	—
29	110	106	4	—	—	—	56	54	2	—	—	—
28	97	91	6	—	—	—	71	64	7	—	—	—
27	90	83	7	—	—	—	87	82	5	—	—	—
26	99	90	9	—	—	—	88	81	7	—	—	—
25	95	92	3	—	—	—	118	109	9	—	—	—
24	102	101	1	—	—	—	90	78	12	—	—	—
23	75	72	2	1	—	—	51	49	1	1	—	—
22	134	131	1	1	—	1	58	51	5	1	—	1
21	123	116	1	—	6	—	50	47	2	1	—	—
20	139	115	1	1	22	—	39	29	4	—	6	—

Trips and Drafts of Vessels, 2001  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY - continued**  
Upbound

Downbound

FOREIGN

19	142	137	—	1	3	1	32	22	1	—	9	—
18	86	82	—	1	2	1	20	15	3	1	1	—
17	39	35	—	—	4	—	7	6	—	1	—	—
16	39	26	—	4	9	—	13	3	—	8	2	—
15	55	14	—	32	5	4	48	7	—	32	7	2
14	18	3	—	11	—	4	16	2	1	10	2	1
13	30	3	—	12	9	6	12	1	1	7	2	1
12	17	5	—	11	1	—	19	1	—	13	4	1
11	8	—	—	6	2	—	4	—	—	2	1	1
10	14	5	—	5	4	—	8	—	—	5	2	1
9	4	1	—	3	—	—	6	1	—	5	—	—
8	1	—	—	1	—	—	5	—	—	3	2	—
7	1	—	—	—	1	—	2	—	—	—	2	—
6	4	2	—	2	—	—	5	2	—	2	1	—
5	1	—	—	—	1	—	8	1	—	—	7	—
4	2	—	—	1	1	—	8	—	—	—	7	1
3	—	—	—	—	—	—	18	3	—	—	12	3

DOMESTIC

Total	54,473	38,790	130	8,840	4,961	1,752	21,659	7,089	131	8,191	4,468	1,780
39	1	—	1	—	—	—	—	—	—	—	—	—
37	3	—	3	—	—	—	—	—	—	—	—	—
36	14	—	14	—	—	—	1	—	1	—	—	—
35	26	1	25	—	—	—	4	—	4	—	—	—
34	21	1	20	—	—	—	8	2	6	—	—	—
33	4	—	4	—	—	—	3	—	3	—	—	—
32	5	—	5	—	—	—	1	—	1	—	—	—
31	—	—	—	—	—	—	2	1	1	—	—	—
30	1	—	1	—	—	—	4	2	2	—	—	—
29	7	—	7	—	—	—	3	—	3	—	—	—
28	8	1	7	—	—	—	4	1	3	—	—	—
27	20	1	19	—	—	—	6	—	6	—	—	—
26	17	—	15	—	—	2	7	—	7	—	—	—
25	1	—	1	—	—	—	3	—	1	—	—	2
24	4	1	3	—	—	—	1	—	1	—	—	—
23	7	3	2	—	—	2	26	—	26	—	—	—
22	—	—	—	—	—	—	17	—	17	—	—	—
21	14	—	2	—	—	12	9	—	3	—	—	6
20	66	—	—	39	7	20	23	—	—	21	—	2
19	31	—	—	17	—	14	26	—	1	23	1	1
18	84	—	—	35	—	49	54	—	—	42	8	4
17	90	—	—	26	2	62	26	—	—	17	7	2
16	91	—	—	47	3	41	268	—	27	41	191	9
15	129	—	1	63	4	61	78	—	7	57	11	3
14	262	—	—	159	28	75	588	—	—	122	142	324
13	474	—	—	80	213	181	805	—	4	81	615	105
12	1,076	—	—	626	233	217	963	—	—	607	328	28
11	1,465	—	—	1,318	100	47	1,651	—	—	1,235	402	14
10	1,581	—	—	1,445	91	45	1,721	—	—	1,443	273	5
9	1,925	—	—	1,479	360	86	1,798	—	3	1,467	274	54
8	1,965	131	—	1,255	504	75	1,264	5	4	1,152	59	44
7	1,323	53	—	1,103	156	11	1,086	2	—	1,062	17	5
6	32,337	31,524	—	774	31	8	669	—	—	635	30	4
5	869	540	—	310	6	13	707	542	—	143	8	14
4	226	—	—	4	197	25	222	—	—	2	134	86
3	7,154	6,534	—	50	496	74	7,144	6,534	—	32	440	138
2	3,161	—	—	—	2,529	632	2,380	—	—	1	1,449	930
1	11	—	—	10	1	—	87	—	—	8	79	—
Total trips:											79,833	

**COLUMBIA RIVER SYSTEM**

Upbound

Downbound

Grand Total	49,967	15,977	251	20,613	9,224	3,902	15,069	2,325	201	6,883	4,781	879
FOREIGN												
Total	1,877	1,621	76	93	70	17	1,827	1,574	80	93	68	12

Trips and Drafts of Vessels, 2001  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
COLUMBIA RIVER SYSTEM - continued												
	Upbound						Downbound					
FOREIGN												
40	—	—	—	—	—	—	37	35	2	—	—	—
39	3	2	1	—	—	—	42	40	2	—	—	—
38	9	4	5	—	—	—	57	57	—	—	—	—
37	17	15	2	—	—	—	40	38	2	—	—	—
36	9	8	1	—	—	—	84	84	—	—	—	—
35	30	26	4	—	—	—	63	62	1	—	—	—
34	63	59	4	—	—	—	124	122	—	1	1	—
33	46	38	8	—	—	—	96	94	2	—	—	—
32	57	54	3	—	—	—	152	149	3	—	—	—
31	58	53	5	—	—	—	124	122	2	—	—	—
30	58	50	8	—	—	—	68	62	6	—	—	—
29	110	106	4	—	—	—	56	54	2	—	—	—
28	97	91	6	—	—	—	71	64	7	—	—	—
27	90	83	7	—	—	—	87	82	5	—	—	—
26	99	90	9	—	—	—	88	81	7	—	—	—
25	95	92	3	—	—	—	118	109	9	—	—	—
24	102	101	1	—	—	—	90	78	12	—	—	—
23	75	72	2	1	—	—	51	49	1	1	—	—
22	134	131	1	1	—	1	58	51	5	1	—	1
21	123	116	1	—	6	—	50	47	2	1	—	—
20	139	115	1	1	22	—	39	29	4	—	6	—
19	142	137	—	1	3	1	32	22	1	—	9	—
18	86	82	—	1	2	1	20	15	3	1	1	—
17	39	35	—	—	4	—	7	6	—	1	—	—
16	39	26	—	4	9	—	13	3	—	8	2	—
15	55	14	—	32	5	4	48	7	—	32	7	2
14	18	3	—	11	—	4	16	2	1	10	2	1
13	30	3	—	12	9	6	12	1	1	7	2	1
12	17	5	—	11	1	—	19	1	—	13	4	1
11	8	—	—	6	2	—	4	—	—	2	1	1
10	14	5	—	5	4	—	8	—	—	5	2	1
9	4	1	—	3	—	—	6	1	—	5	—	—
8	3	2	—	1	—	—	6	1	—	3	2	—
7	1	—	—	—	1	—	2	—	—	—	2	—
6	4	2	—	2	—	—	5	2	—	2	1	—
5	1	—	—	—	1	—	8	1	—	—	7	—
4	2	—	—	1	1	—	8	—	—	—	7	1
3	—	—	—	—	—	—	18	3	—	—	12	3
DOMESTIC												
Total	48,090	14,356	175	20,520	9,154	3,885	13,242	751	121	6,790	4,713	867
39	1	—	1	—	—	—	—	—	—	—	—	—
37	3	—	3	—	—	—	—	—	—	—	—	—
36	14	—	14	—	—	—	1	—	1	—	—	—
35	32	1	31	—	—	—	3	—	3	—	—	—
34	21	1	20	—	—	—	4	2	2	—	—	—
33	8	—	8	—	—	—	—	—	—	—	—	—
32	4	—	4	—	—	—	1	—	1	—	—	—
31	1	—	1	—	—	—	2	1	1	—	—	—
30	1	—	1	—	—	—	4	2	2	—	—	—
29	12	—	12	—	—	—	3	—	3	—	—	—
28	17	1	16	—	—	—	5	1	4	—	—	—
27	27	1	26	—	—	—	4	—	4	—	—	—
26	24	—	22	—	—	2	7	—	7	—	—	—
25	3	—	3	—	—	—	3	—	1	—	—	2
24	7	2	5	—	—	—	1	—	1	—	—	—
23	8	3	3	—	—	2	26	—	26	—	—	—
22	2	—	2	—	—	—	16	—	16	—	—	—
21	15	—	2	—	—	13	9	—	3	—	—	6
20	77	—	—	49	7	21	23	—	—	21	—	2
19	35	—	—	20	—	15	24	—	1	21	1	1
18	90	—	—	36	—	54	54	—	—	42	8	4
17	109	—	—	27	5	77	24	—	—	17	5	2
16	200	—	—	48	109	43	161	—	27	41	85	8
15	136	—	1	65	5	65	76	—	7	57	10	2
14	727	—	—	358	96	273	293	—	—	74	88	131
13	897	—	—	91	544	262	466	—	4	76	329	57
12	2,377	—	—	1,684	455	238	438	—	—	271	155	12
11	3,509	—	—	3,083	359	67	727	—	—	570	143	14
10	3,755	—	—	3,489	214	52	1,051	—	—	898	153	—
9	4,197	—	—	3,426	596	175	720	—	3	638	36	43

Trips and Drafts of Vessels, 2001  
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

**COLUMBIA RIVER SYSTEM - continued**

Upbound

Downbound

DOMESTIC

8	2,831	151	—	2,023	541	116	652	1	4	578	25	44
7	3,027	55	—	2,799	162	11	1,205	—	—	1,187	12	6
6	2,379	2	—	2,330	37	10	1,526	—	—	1,493	30	3
5	1,583	1,071	—	371	119	22	1,529	744	—	277	495	13
4	760	—	—	396	312	52	1,604	—	—	388	1,139	77
3	14,056	13,068	—	89	746	153	773	—	—	22	648	103
2	6,930	—	—	—	4,768	2,162	1,663	—	—	1	1,325	337
1	215	—	—	136	79	—	144	—	—	118	26	—
											<b>Total trips:</b>	<b>65,036</b>

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## Port Facilities by Waterway

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Waterway: **Clearwater River** Mile: 0.5    PWD: 253  
 Name: **Mountain Fir Chip Co., Lewiston Division Dock.**  
 Port: Snake River  
 Location: Mile 0.5, right bank, Clearwater River, North Lewiston, below Camas Prairie Railroad    Datum: NPE Bridge.  
 Operator: Mountain Fir Chip Co., Inc.  
 Owner: Longview Fibre Co.  
 Address: 125 Down River Road Phone: 208/746-0277  
 Town: North Lewiston State: ID    County: Nez Perce  
 Railway Connection: None.  
 Purpose: Shipment of wood chips and hogged fuel.  
 Depth Alongside (feet): 19 |    | Latitude (decimal): 46.426389  
 Total Berthing Space (feet): 200 |    | Longitude (decimal): -117.0278  
 Remarks: Storage bins have total capacity for 4,500 b.d.u. of wood chips. Log processing plant and open storage area for 8,500,000 board feet of logs is located in rear.

Port Series: 34    Year of Last Survey: 1996    Corps of Engns Waterway Code: 92000    Walla Walla District

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Waterway: **Clearwater River** Mile: 1.1    PWD: 254  
 Name: **Port of Lewiston Container Terminal Dock.**  
 Port: Snake River  
 Location: Mile 1.1, right bank, Clearwater River, North Lewiston, approximately 2,500 feet    Datum: NPE above Camas Prairie Rai  
 Operator: Gator Intermodal.  
 Owner: Port of Lewiston.  
 Address: 1224 Sixth Avenue Phone: 208/743-3203  
 Town: North Lewiston State: ID    County: Nez Perce  
 Railway Connection: One surface track serving terminal in rear connects with Camas Prairie Railroad.  
 Purpose: Receipt and shipment of containerized and conventional general cargo, lumber, and paper products.  
 Depth Alongside (feet): 18 - 20 |    | Latitude (decimal): 46.424167  
 Total Berthing Space (feet): 300 |    | Longitude (decimal): -117.0136  
 Remarks: Open storage areas in rear have total capacity for approximately 1,800 containers stacked 2- and 3-high. □

Port Series: 34    Year of Last Survey: 1996    Corps of Engns Waterway Code: 92000    Walla Walla District

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## Port Facilities by Waterway

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Waterway: **Clearwater River** Mile: 1.3 PWD: 255  
 Name: **Continental Grain Co., Lewiston Elevator Dock.**  
 Port: Columbia River  
 Location: Mile 1.3, right bank, Clearwater River, Lewiston, approximately 3,700 feet below Datum: NPE  
 Clearwater River Memorial  
 Operator: Continental Grain Co.  
 Owner: Continental Grain Co.  
 Address: 1422 Third Avenue North Phone: 208/746-0102  
 Town: North Lewiston State: ID County: Nez Perce  
 Railway Connection: One surface track, capacity 6 cars, serves undertrack pit and loading spout, connects with Camas Prairie Railroad.  
 Purpose: Shipment of grain.  
 Depth Alongside (feet): 14 - 15 | | Latitude (decimal): 46.423333  
 Total Berthing Space (feet): 350 | | Longitude (decimal): -117.0117  
 Remarks: Grain elevator at rear, consisting of 10 concrete silos and 13 interstices, has capacity for 500,000 bushels. □

Port Series: 34 Year of Last Survey: 1996 Corps of Engns Waterway Code: 92000 Walla Walla District

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Waterway: **Clearwater River** Mile: 1.4 PWD: 256  
 Name: **Lewis-Clark Terminal, Lewiston Dock.**  
 Port: Snake River  
 Location: Mile 1.4, right bank, Snake River, Lewiston, approximately 3,100 feet below Datum: NPE  
 Clearwater River Memorial (U)  
 Operator: Lewis-Clark Terminal, Inc.  
 Owner: Lewis-Clark Terminal, Inc.  
 Address: 1543 Third Avenue North Phone: 509/746-9685  
 Town: North Lewiston State: ID County: Nez Perce  
 Railway Connection: Two surface tracks, total capacity 12 cars each serve an undertrack pit, connect with Camas Prairie Railroad.  
 Purpose: Shipment of grain.  
 Depth Alongside (feet): 15 | | Latitude (decimal): 46.4225  
 Total Berthing Space (feet): 350 | | Longitude (decimal): -117.0097  
 Remarks: Grain elevator at rear, consisting of 28 concrete silos with 26 interstices and a steel flat storage building, has capacity for 5,256,200 bushels. □

Port Series: 34 Year of Last Survey: 1996 Corps of Engns Waterway Code: 92000 Walla Walla District

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## Port Facilities by Waterway

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Waterway: **Columbia River** Mile: 311.6 PWD: 217

Name: **Walla Walla Grain Growers, Port Kelley Dock.**

Port: Columbia River

Location: Mile 311.6, left bank Columbia River, approximately 3 miles below mouth of Walla Walla River. Datum: NPE

Operator: Walla Walla Grain Growers, Inc.

Owner: Walla Walla Grain Growers, Inc.

Address: Port Kelley Phone: 509/529-1461

Town: Port Kelley State: WA County: Walla Walla

Railway Connection: None.

Purpose: Shipment of grain.

Depth Alongside (feet): 10 - 12 | | Latitude (decimal): 46.025

Total Berthing Space (feet): 200 | | Longitude (decimal): -118.9406

Remarks: Grain elevator at rear consisting of 3 concrete silos with 5 interstices, 2 concrete tanks, and one concrete and one steel flat storage building, has capacity for 3,305,000 bushels.

Port Series: 34 Year of Last Survey: 1996 Corps of Engrs Waterway Code: 92312 Walla Walla District

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Waterway: **Columbia River** Mile: 314.5 PWD: 218

Name: **Walla Walla Grain Growers, Port Wallula Pier.**

Port: Columbia River

Location: Mile 314.5, left bank Columbia River, at mouth of Walla Walla River. Datum: NPE

Operator: Walla Walla Grain Growers, Inc.

Owner: Walla Walla Grain Growers, Inc.

Address: Port Wallula Phone: 509/529-1461

Town: Wallula State: WA County: Walla Walla

Railway Connection: None.

Purpose: Shipment of grain.

Depth Alongside (feet): 20 | | Latitude (decimal): 46.060556

Total Berthing Space (feet): 200 | | Longitude (decimal): -118.9164

Remarks: Grain elevator at rear, consisting of 2 concrete and 2 steel tanks, and one steel flat storage building, has capacity for 1,244,000 bushels. Outside storage area is available for an additional 3,000,000 bushels.

Port Series: 34 Year of Last Survey: 1996 Corps of Engrs Waterway Code: 92315 Walla Walla District

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## Port Facilities by Waterway

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Waterway: **Columbia River** Mile: 316.5 PWD: 219

Name: **Boise Cascade Wallula Plant, Barge Slip Dock.**

Port: Columbia River

Location: Mile 314.5, left bank Columbia River, Wallula, approximately 2 miles above mouth of Walla Walla River. Datum: NPE

Operator: Boise Cascade Corp.

Owner: Boise Cascade Corp.

Address: U.S. Highway 12. Phone: 509/545-3257

Town: Wallula State: WA County: Walla Walla

Railway Connection: Trackage serving plant in rear connects with Union Pacific and Burlington Northern Railroads.

Purpose: Shipment of wood pulp; Receipt of 50% caustic soda.

Depth Alongside (feet): 12 | | Latitude (decimal): 46.101389

Total Berthing Space (feet): 150 | | Longitude (decimal): -118.92

Remarks: Slip is 250 feet wide by 600 feet long. One 6-inch pipeline extends from slip to 2 steel storage tanks at plant in rear, total capacity 75,700 gallons. □

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92317 Walla Walla District

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Waterway: **Columbia River** Mile: 321.6 PWD: 220

Name: **Unocal Corp. Kennewick Plant, Finley Area Barge Dock.**

Port: Columbia River

Location: Mile 321.6, right bank Columbia River, Kennewick, approximately 1.8 miles below Union Pacific Railroad b Datum: NPE

Operator: Unocal Corp.

Owner: Unocal Corp.

Address: Foot of Game Farm Road Phone: 509/586-5433

Town: Kennewick State: WA County: Benton

Railway Connection: One surface track serves plant in rear, connects with Union Pacific and Burlington Northern Railroads.

Purpose: Shipment of liquid fertilizer (urea ammonium nitrate).

Depth Alongside (feet): 12 | | Latitude (decimal): 46.155556

Total Berthing Space (feet): 120 | | Longitude (decimal): -119.0047

Remarks: One 8-inch pipeline extends to wharf from 3 urea ammonium nitrate tanks, total capacity 14,336,300 gallons. □

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92322 Walla Walla District

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## Port Facilities by Waterway

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Waterway: **Columbia River** Mile: 322.6 PWD: 221

Name: **Unocal Corp. Kennewick Plant, Kennewick Area Barge Dock.**

Port: Columbia River

Location: Mile 322.6, right bank Columbia River, Kennewick, approximately 0.8 miles below Union Pacific Railroad b Datum: NPE

Operator: Unocal Corp.

Owner: Unocal Corp.

Address: Foot of Bowles Road. Phone: 509/586-5433

Town: Kennewick State: WA County: Benton

Railway Connection: Trackage serving plant in rear connects with Union Pacific and Burlington Northern Railroads.

Purpose: Mooring miscellaneous vessels and barges.

Depth Alongside (feet): 15 | | Latitude (decimal): 46.167222

Total Berthing Space (feet): 218 | | Longitude (decimal): -119.0147

Remarks: -□□

Port Series: 34 Year of Last Survey: 1996 Corps of Engrs Waterway Code: 92322 Walla Walla District

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Waterway: **Columbia River** Mile: 323.3 PWD: 222

Name: **Unocal Chemicals, Hedges Area Dock.**

Port: Columbia River

Location: Mile 323.3, right bank Columbia River, Kennewick, below Union Pacific Railroad bridge. Datum: NPE

Operator: Unocal Corp.

Owner: Unocal Corp.

Address: Foot of Perkins Road. Phone: 509/586-5433

Town: Kennewick State: WA County: Benton

Railway Connection: Four surface tracks, total capacity 35 cars, serve plant in rear; connect with Union Pacific and Burlington Northern Railroads.

Purpose: Receipt of anhydrous ammonia and urea; occasional shipment of aqua ammonia; mooring barges for fleeting. (See Remarks.)

Depth Alongside (feet): 30 | 30 | Latitude (decimal): 46.175556

Total Berthing Space (feet): 480 | | Longitude (decimal): -119.0186

Remarks: Concrete and timber urea storage warehouse in rear has capacity for 10,000 tons. One 12-inch pipeline extends from Main Dock to 2 anhydrous ammonia storage tanks, total capacity 7,874,850 gallons, and one 6-inch extends to wharf from one 400,000-gallon aqua ammonia storage tank. Fleeting area located at permanently-anchored barge near lower side has capacity for 8 barges.

Port Series: 34 Year of Last Survey: 1996 Corps of Engrs Waterway Code: 92323 Walla Walla District

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## Port Facilities by Waterway

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Waterway: **Columbia River** Mile: 326.8 PWD: 227

Name: **Port of Pasco, Barge Slip No. 1, Container Terminal Wharf.**

Port: Columbia River

Location: Mile 328.2, left bank Columbia River, Pasco, lower side of slip, approximately 2 miles above mouth of Sn Datum: NPE

Operator: Tidewater Terminal Co.

Owner: Port of Pasco.

Address: Dock Street and Road 21 East. Phone: 509/545-3617

Town: Pasco State: WA County: Franklin

Railway Connection: One surface track along rear of face connects with Burlington Northern Railroad.

Purpose: Receipt and shipment of containerized general and refrigerated cargo and heavy-lift items.

Depth Alongside (feet): 20 | 20 | Latitude (decimal): 46.213889

Total Berthing Space (feet): 220 | 620 | Longitude (decimal): -119.0706

Remarks: Improved open storage area at rear for 500 containers, including 12 positions for refrigerated containers. Approximately 2,000,000 square feet of warehouse storage space is available at industrial park in rear.

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92328 Walla Walla District

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Waterway: **Columbia River** Mile: 328.0 PWD: 223

Name: **Harvest States Cooperatives, Kennewick Dock.**

Port: Columbia River

Location: Mile 328.0, right bank Columbia River, Kennewick, between Burlington Northern Railroad and Intercity bri Datum: NPE

Operator: Harvest States Cooperatives.

Owner: Harvest States Cooperatives.

Address: 900 East Columbia Drive. Phone: 509/586-1128

Town: Kennewick State: WA County: Benton

Railway Connection: One surface track, capacity 14 cars, serves 2 undertrack pits and 2 loading spouts, connects with Union Pacific and Burlington Northern Railroads.

Purpose: Shipment of grain.

Depth Alongside (feet): 14 | | Latitude (decimal): 46.213611

Total Berthing Space (feet): 500 | | Longitude (decimal): -119.1

Remarks: Grain elevator at rear, consisting of 21 concrete silos with 74 interstices and 3 flat storage buildings, has capacity for 5,200,000 bushels. Outside storage area is available for an additional 250,000 bushels.

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92328 Walla Walla District

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## Port Facilities by Waterway

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Waterway: **Columbia River** Mile: 328.2 PWD: 226

Name: **Port of Pasco, Marine Terminal Wharf.**

Port: Columbia River

Location: Mile 328.2, left bank Columbia River, Pasco, between Intercity and Burlington Datum: NPE  
Northern Railroad bridges.

Operator: Continental Grain Co.

Owner: Port of Pasco.

Address: 720 River Avenue. Phone: 509/547-3324

Town: Pasco State: WA County: Franklin

Railway Connection: One platform level track serving building at rear; and one 25 car capacity surface track  
serving undertrack pit and loading spout at grain elevator, connect with Burlington  
Northern Railroad.

Purpose: Shipment of grain.

Depth Alongside (feet): 16 - 20 | | Latitude (decimal): 46.219444

Total Berthing Space (feet): 970 | | Longitude (decimal): -119.0978

Remarks: Continental Grain Co.: Grain elevator in rear consisting of a laminated timber crib structure with 60  
bins has capacity for 450,000 bushels. Concrete block building at rear with approximately 3,200  
square feet served as a transit shed.

Port Series: 34 Year of Last Survey: 1996 Corps of Engns Waterway Code: 92328 Walla Walla District

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## Port Facilities by Waterway

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Waterway: <b>Columbia River</b>	Mile: 343.1 PWD: 224
Name: <b>Port of Benton, Barge Slip.</b>	
Port: Columbia River	
Location: Mile 343.1, right bank Columbia River, North Richland, approximately 1,000 feet below foot of Horn Rapid Datum: NPE	
Operator: Port of Benton.	
Owner: Port of Benton.	
Address: 3100 George Washington Way.	Phone: 509/375-3060
Town: North Richland State: WA	County: Benton
Railway Connection: None.	
Purpose: Receipt and shipment of heavy-lift items including nuclear reactors from decommissioned nuclear submarines for processing at adjacent Hanford Army Depot.	
Depth Alongside (feet): 10	Latitude (decimal): 46.348611
Total Berthing Space (feet): 100	Longitude (decimal): -119.2642
Waterway: <b>Columbia River</b>	Mile: 343.1 PWD: 224
Name: <b>Port of Benton, Barge Slip.</b>	
Port: Columbia River	
Location: Mile 343.1, right bank Columbia River, North Richland, approximately 1,000 feet below foot of Horn Rapid Datum: NPE	
Operator: Port of Benton.	
Owner: Port of Benton.	
Address: 3100 George Washington Way.	Phone: 509/375-3060
Town: North Richland State: WA	County: Benton
Railway Connection: None.	
Purpose: Receipt and shipment of heavy-lift items including nuclear reactors from decommissioned nuclear submarines for processing at adjacent Hanford Army Depot.	
Depth Alongside (feet): 10	Latitude (decimal): 46.348611
Total Berthing Space (feet): 100	Longitude (decimal): -119.2642
Remarks: Industrial park located in rear; open storage area is developed as required. <input type="checkbox"/> <input type="checkbox"/>	
Port Series: 34	Year of Last Survey: 1996 Corps of Engnr's Waterway Code: 92343 Walla Walla District

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Remarks: Industrial park located in rear; open storage area is developed as required. ☐☐

Port Series: 34	Year of Last Survey: 1996 Corps of Engnr's Waterway Code: 92343 Walla Walla District
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## Port Facilities by Waterway

Waterway:	<b>Columbia River</b>	Mile: 343.1	PWD: 224
Name:	<b>Port of Benton, Barge Slip.</b>		
Port:	Columbia River		
Location:	Mile 343.1, right bank Columbia River, North Richland, approximately 1,000 feet below foot of Horn Rapid	Datum:	NPE
Operator:	Port of Benton.		
Owner:	Port of Benton.		
Address:	3100 George Washington Way.	Phone:	509/375-3060
Town:	North Richland	State:	WA
		County:	Benton
Railway Connection:	None.		
Purpose:	Receipt and shipment of heavy-lift items including nuclear reactors from decommissioned nuclear submarines for processing at adjacent Hanford Army Depot.		
Depth Alongside (feet):	10	Latitude (decimal):	46.348611
Total Berthing Space (feet):	100	Longitude (decimal):	-119.2642
Waterway:	<b>Columbia River</b>	Mile: 343.1	PWD: 224
Name:	<b>Port of Benton, Barge Slip.</b>		
Port:	Columbia River		
Location:	Mile 343.1, right bank Columbia River, North Richland, approximately 1,000 feet below foot of Horn Rapid	Datum:	NPE
Operator:	Port of Benton.		
Owner:	Port of Benton.		
Address:	3100 George Washington Way.	Phone:	509/375-3060
Town:	North Richland	State:	WA
		County:	Benton
Railway Connection:	None.		
Purpose:	Receipt and shipment of heavy-lift items including nuclear reactors from decommissioned nuclear submarines for processing at adjacent Hanford Army Depot.		
Depth Alongside (feet):	10	Latitude (decimal):	46.348611
Total Berthing Space (feet):	100	Longitude (decimal):	-119.2642
Remarks:	Industrial park located in rear; open storage area is developed as required. <input type="checkbox"/> <input type="checkbox"/>		
Port Series:	34	Year of Last Survey:	1996
		Corps of Engnr's Waterway Code:	92343
			Walla Walla District
Remarks:	Industrial park located in rear; open storage area is developed as required. <input type="checkbox"/> <input type="checkbox"/>		
Port Series:	34	Year of Last Survey:	1996
		Corps of Engnr's Waterway Code:	92343
			Walla Walla District

## Port Facilities by Waterway

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Waterway: <b>Columbia River</b>	Mile: 343.3 PWD: 225
Name: <b>Port of Benton, High Dock.</b>	
Port: Columbia River	
Location: Mile 343.3, right bank Columbia River, North Richland, at foot of Horn Rapids Road. Datum: NPE	
Operator: Not operated.	
Owner: Port of Benton.	
Address: 3100 George Washington Way.	Phone: 509/375-3060
Town: North Richland State: WA	County: Benton
Railway Connection: None.	
Purpose: Not used.	
Depth Alongside (feet): 10	Latitude (decimal): 46.334444
Total Berthing Space (feet): 107	Longitude (decimal): -119.265
Waterway: <b>Columbia River</b>	Mile: 343.3 PWD: 225
Name: <b>Port of Benton, High Dock.</b>	
Port: Columbia River	
Location: Mile 343.3, right bank Columbia River, North Richland, at foot of Horn Rapids Road. Datum: NPE	
Operator: Not operated.	
Owner: Port of Benton.	
Address: 3100 George Washington Way.	Phone: 509/375-3060
Town: North Richland State: WA	County: Benton
Railway Connection: None.	
Purpose: Not used.	
Depth Alongside (feet): 10	Latitude (decimal): 46.334444
Total Berthing Space (feet): 107	Longitude (decimal): -119.265
Remarks: -□□	
Port Series: 34	Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92343 Walla Walla District

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Remarks: -□□

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Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92343	Walla Walla District
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## Port Facilities by Waterway

Waterway:	<b>Columbia River</b>	Mile: 343.3	PWD: 225
Name:	<b>Port of Benton, High Dock.</b>		
Port:	Columbia River		
Location:	Mile 343.3, right bank Columbia River, North Richland, at foot of Horn Rapids Road.	Datum:	NPE
Operator:	Not operated.		
Owner:	Port of Benton.		
Address:	3100 George Washington Way.	Phone:	509/375-3060
Town:	North Richland	State:	WA
		County:	Benton
Railway Connection:	None.		
Purpose:	Not used.		
Depth Alongside (feet):	10	Latitude (decimal):	46.334444
Total Berthing Space (feet):	107	Longitude (decimal):	-119.265
Waterway:	<b>Columbia River</b>	Mile: 343.3	PWD: 225
Name:	<b>Port of Benton, High Dock.</b>		
Port:	Columbia River		
Location:	Mile 343.3, right bank Columbia River, North Richland, at foot of Horn Rapids Road.	Datum:	NPE
Operator:	Not operated.		
Owner:	Port of Benton.		
Address:	3100 George Washington Way.	Phone:	509/375-3060
Town:	North Richland	State:	WA
		County:	Benton
Railway Connection:	None.		
Purpose:	Not used.		
Depth Alongside (feet):	10	Latitude (decimal):	46.334444
Total Berthing Space (feet):	107	Longitude (decimal):	-119.265
Remarks:	-□□		
Port Series:	34	Year of Last Survey:	1996
Corps of Engnr's Waterway Code:	92343	Walla Walla District	
Remarks:	-□□		
Port Series:	34	Year of Last Survey:	1996
Corps of Engnr's Waterway Code:	92343	Walla Walla District	
Waterway:	<b>Snake River</b>	Mile: 1.7	PWD: 228
Name:	<b>Port of Walla Walla Dock.</b>		
Port:	Snake River		
Location:	Mile 1.7, left bank Snake River, Burbank, approximately 1,000 feet above Burlington	Datum:	NPE
	Northern Railroad Br		
Operator:	Port of Walla Walla.		
Owner:	Port of Walla Walla.		
Address:	West River Grain Terminal Road.	Phone:	509/525-3100
Town:	Burbank	State:	WA
		County:	Walla Walla
Railway Connection:	None.		
Purpose:	Mooring river excursion vessels, boarding passengers.		
Depth Alongside (feet):	6 - 10	Latitude (decimal):	46.208333
Total Berthing Space (feet):	560	Longitude (decimal):	-119.0247
Remarks:	-□□		
Port Series:	34	Year of Last Survey:	1996
Corps of Engnr's Waterway Code:	92641	Walla Walla District	

## Port Facilities by Waterway

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Waterway: <b>Snake River</b>	Mile: 1.8	PWD: 229
Name: <b>Co-Grain, Burbank Elevator Barge Slip.</b>		
Port: Snake River		
Location: Mile 1.8, left bank Snake River, Burbank, approximately 2,000 feet below U.S. Highway 12 Bridge.		Datum: NPE
Operator: Co-Grain Inc.		
Owner: Port of Walla Walla.		
Address: 560 West River Grain Terminal Road.		Phone: 509/545-1455
Town: Burbank	State: WA	County: Walla Walla
Railway Connection: None.		
Purpose: Shipment of grain.		
Depth Alongside (feet): 16 - 20		Latitude (decimal): 46.209444
Total Berthing Space (feet): 2		Longitude (decimal): -119.0217

  

Waterway: <b>Snake River</b>	Mile: 1.8	PWD: 229
Name: <b>Co-Grain, Burbank Elevator Barge Slip.</b>		
Port: Snake River		
Location: Mile 1.8, left bank Snake River, Burbank, approximately 2,000 feet below U.S. Highway 12 Bridge.		Datum: NPE
Operator: Co-Grain Inc.		
Owner: Port of Walla Walla.		
Address: 560 West River Grain Terminal Road.		Phone: 509/545-1455
Town: Burbank	State: WA	County: Walla Walla
Railway Connection: None.		
Purpose: Shipment of grain.		
Depth Alongside (feet): 16 - 20		Latitude (decimal): 46.209444
Total Berthing Space (feet): 2		Longitude (decimal): -119.0217

Remarks: Grain elevator at rear consisting of 3 concrete, and 1 steel tanks, and one steel flat storage building has capacity for 665,000 bushels. Outside storage area is available for an additional 600,000 bushels.

Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92641	Walla Walla District
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Remarks: Grain elevator at rear consisting of 3 concrete, and 1 steel tanks, and one steel flat storage building has capacity for 665,000 bushels. Outside storage area is available for an additional 600,000 bushels.

Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92641	Walla Walla District
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## Port Facilities by Waterway

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Waterway: <b>Snake River</b>	Mile: 1.8	PWD: 229
Name: <b>Co-Grain, Burbank Elevator Barge Slip.</b>		
Port: Snake River		
Location: Mile 1.8, left bank Snake River, Burbank, approximately 2,000 feet below U.S. Highway 12 Bridge.		Datum: NPE
Operator: Co-Grain Inc.		
Owner: Port of Walla Walla.		
Address: 560 West River Grain Terminal Road.		Phone: 509/545-1455
Town: Burbank	State: WA	County: Walla Walla
Railway Connection: None.		
Purpose: Shipment of grain.		
Depth Alongside (feet): 16 - 20		Latitude (decimal): 46.209444
Total Berthing Space (feet): 2		Longitude (decimal): -119.0217

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Waterway: <b>Snake River</b>	Mile: 1.8	PWD: 229
Name: <b>Co-Grain, Burbank Elevator Barge Slip.</b>		
Port: Snake River		
Location: Mile 1.8, left bank Snake River, Burbank, approximately 2,000 feet below U.S. Highway 12 Bridge.		Datum: NPE
Operator: Co-Grain Inc.		
Owner: Port of Walla Walla.		
Address: 560 West River Grain Terminal Road.		Phone: 509/545-1455
Town: Burbank	State: WA	County: Walla Walla
Railway Connection: None.		
Purpose: Shipment of grain.		
Depth Alongside (feet): 16 - 20		Latitude (decimal): 46.209444
Total Berthing Space (feet): 2		Longitude (decimal): -119.0217

Remarks: Grain elevator at rear consisting of 3 concrete, and 1 steel tanks, and one steel flat storage building has capacity for 665,000 bushels. Outside storage area is available for an additional 600,000 bushels.

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Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92641	Walla Walla District
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Remarks: Grain elevator at rear consisting of 3 concrete, and 1 steel tanks, and one steel flat storage building has capacity for 665,000 bushels. Outside storage area is available for an additional 600,000 bushels.

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Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92641	Walla Walla District
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## Port Facilities by Waterway

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Waterway: **Snake River** Mile: 103.6 PWD: 242

Name: **Almota Elevator Co. Dock.**

Port: Snake River

Location: Mile 103.6, right bank, Snake River, Almota, approximately 3.8 miles below Lower Granite Lock and Dam. Datum: NPE

Operator: Almota Elevator Co.

Owner: Almota Elevator Co.

Address: Almota Dock Road. Phone: 509/397-2010

Town: Almota State: WA County: Whitman

Railway Connection: None.

Purpose: Shipment of grain.

Depth Alongside (feet): 30 | | Latitude (decimal): 46.701944

Total Berthing Space (feet): 450 | | Longitude (decimal): -117.4733

Remarks: Grain elevator at rear consisting of 2 concrete silos, 4 steel tanks, one timber crib house and one steel flat storage building has total capacity for 1,700,000 bushels.

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92743 Walla Walla District

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Waterway: **Snake River** Mile: 103.7 PWD: 243

Name: **S & R Grain Co., Port of Almota Dock.**

Port: Snake River

Location: Mile 103.7, right bank, Snake River, Almota, approximately 3.8 miles below Lower Granite Lock and Dam. Datum: NPE

Operator: S & R Grain Co.

Owner: Port of Whitman.

Address: Phone: 509/397-4653

Town: Almota State: WA County: Whitman

Railway Connection: None.

Purpose: Shipment of grain.

Depth Alongside (feet): 12 - 13 | | Latitude (decimal): 46.701667

Total Berthing Space (feet): 204 | | Longitude (decimal): -117.4706

Remarks: Grain elevator in rear, consisting of one concrete silo and one steel tank has total capacity for 357,000 bushels. Outside storage area is available for an additional 350,000 bushels.

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92743 Walla Walla District

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## Port Facilities by Waterway

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Waterway: **Snake River** Mile: 135.3 PWD: 244

Name: **Tidewater Terminal Co., Wilma Dock.**

Port: Snake River

Location: Mile 135.3, right bank Snake River, Wilma, approximately 2 miles below Red Wolf Datum: NPE  
(State Highway 193) Bri

Operator: Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.

Owner: Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.

Address: 2950 Wilma Drive Phone: 509/758-9119

Town: Wilma State: WA County: Whitman

Railway Connection: One 12-car capacity surface track, serves terminal in rear; connects with Camas Prairie Railroad.

Purpose: Receipt of petroleum products and liquid fertilizer; Receipt and shipment of containerized general cargo; Mooring for fleet and repair (See Remarks).

Depth Alongside (feet): 16 | | Latitude (decimal): 46.421667

Total Berthing Space (feet): 375 | | Longitude (decimal): -117.1094

Remarks: Approximately 11.7 acres of open storage area in rear has capacity for 1,200 containers (t.e.u.'s) stacked up to 3-high or other commodities as required. A total of six 8-inch pipelines extend from wharf to stor

	Product	No. P/L	Tanks	Capacity (Barrels)	Petroleum
3	11	102,350	products	Fertilizer	1
10,000	Salt (out of service)	2	2	5,000	Sundial Marine Tug & Barge Works, Inc. a subsidiary of Tidewater Barge Lines, rebuilds barges up to 220 feet long and performs limited marine repairs on adjacent downstream property. One 35-ton diesel full portal gantry crane with 80-foot boom serves barge building ways. Bargefeet below wharf. A permanently moored 200- by 32-foot barge located 1,000 feet below wharf is used for mooring up to 6 barges for fl

Port Series: 34 Year of Last Survey: 1996 Corps of Engns Waterway Code: 92774 Walla Walla District

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Waterway: **Snake River** Mile: 135.5 PWD: 245

Name: **Granger Co., Wilma Dock**

Port: Snake River

Location: Mile 136.0, right bank, Snake River, Wilma, approximately 1.8 miles below Red Wolf Datum: NPE  
(State Highway 193) B

Operator: Granger Co.

Owner: Tidewater Terminal Co.

Address: 2851 Wilma Drive Phone: 509/758-9119

Town: Wilma State: WA County: Whitman

Railway Connection: One surface track serves open storage area in rear; connects with Camas Prairie Railroad.

Purpose: Shipment of wood chips.

Depth Alongside (feet): 16 | | Latitude (decimal): 46.424722

Total Berthing Space (feet): 250 | | Longitude (decimal): -117.1067

Remarks: Eight acre open storage area at rear has capacity for approximately 10,000 tons of wood chips. An additional 35 acres of open area in rear is used for storage of logs.

Port Series: 34 Year of Last Survey: 1996 Corps of Engns Waterway Code: 92776 Walla Walla District

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## Port Facilities by Waterway

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Waterway: **Snake River** Mile: 135.6 PWD: 246

Name: **Port of Whitman County, Site I Wharf.**

Port: Snake River

Location: Mile 135.6, right bank Snake River, Wilma, approximately 1.6 miles below Red Wolf Datum: NPE  
(State Highway 193) B

Operator: Foss Maritime Co. (See Remarks)

Owner: Port of Whitman County.

Address: 2751 Wilma Drive Phone: 509/758-7974

Town: Wilma State: WA County: Whitman

Railway Connection: One surface track serves open storage area in rear; connects with Camas Prairie Railroad.

Purpose: Shipment of logs.

Depth Alongside (feet): 30 | | Latitude (decimal): 46.421111

Total Berthing Space (feet): 300 | | Longitude (decimal): -117.1019

Remarks: Logs are handled for Columbia Vista Corp. from their 10 acre open storage area on the opposite side of Wilma Drive in rear. □

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92775 Walla Walla District

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Waterway: **Snake River** Mile: 135.7 PWD: 247

Name: **Foss Maritime Co. Wood Chip Dock.**

Port: Snake River

Location: Mile 135.7, right bank Snake River, Wilma, approximately 1.5 miles below Red Wolf Datum: NPE  
(State Highway 193) Br

Operator: Foss Maritime Co.

Owner: Foss Maritime Co.

Address: 2651 Wilma Drive Phone: 509/758-7974

Town: Wilma State: WA County: Whitman

Railway Connection: None.

Purpose: Shipment of wood chips.

Depth Alongside (feet): 30 | | Latitude (decimal): 46.420833

Total Berthing Space (feet): 375 | | Longitude (decimal): -117.1011

Remarks: Two hydraulic truck dumpers serve asphalt-surfaced open storage area at rear of wharf, which has capacity for approximately 9,000 b.d.u. of wood chips. □

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92775 Walla Walla District

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## Port Facilities by Waterway

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Waterway: **Snake River** Mile: 136.0 PWD: 248

Name: **Mountain Fir Chip Co., Wilma Division, Dock.**

Port: Snake River

Location: Mile 136.0, right bank Snake River, Wilma, approximately 1.3 miles below Red Wolf Datum: NPE  
(State Highway 193) Br

Operator: Mountain Fir Chip Co., Inc.

Owner: Longview Fibre Co.

Address: 2351 Wilma Drive Phone: 208/746-0277

Town: Wilma State: WA County: Whitman

Railway Connection: None.

Purpose: Shipment of wood chips.

Depth Alongside (feet): 18 | | Latitude (decimal): 46.420278

Total Berthing Space (feet): 400 | | Longitude (decimal): -117.0944

Remarks: Storage bins have total capacity for 2,500 b.d.u. of wood chips. Log chipping plant and open storage area for approximately 12,000,000 board feet of logs are located in rear.

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92776 Walla Walla District

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Waterway: **Snake River** Mile: 136.5 PWD: 249

Name: **Stegner Grain Terminal Dock.**

Port: Snake River

Location: Mile 136.5, right bank Snake River, Wilma, approximately 0.8 mile below Red Wolf Datum: NPE  
(State Highway 193) Bri

Operator: Stegner Grain & Seed Co.

Owner: Port of Whitman County.

Address: 2051 Wilma Drive Phone: 509/758-1000

Town: Wilma State: WA County: Whitman

Railway Connection: One surface track serves separate grain elevator in rear; connects with Camas Prairie Railroad.

Purpose: Shipment of grain.

Depth Alongside (feet): 30 | | Latitude (decimal): 46.42

Total Berthing Space (feet): 295 | | Longitude (decimal): -117.0864

Remarks: Grain elevator at rear consisting of one concrete silo and 11 steel tanks has total capacity for 4,100,000 bushels. A second elevator in rear consisting of 2 steel tanks has capacity for 300,000 bushels is serve and a third elevator consisting of 6 steel tanks has capacity for 140,000 bushels and is served only by truck.

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92777 Walla Walla District

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## Port Facilities by Waterway

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Waterway: **Snake River** Mile: 137.0 PWD: 250

Name: **Port of Whitman County, Site A Dock.**

Port: Snake River

Location: Mile 137.0, right bank Snake River, Wilma, approximately 1,000 feet below Red Wolf Datum: NPE  
(State Highway 193) B

Operator: Various operators.

Owner: Port of Whitman County.

Address: 1852 Wilma Drive Phone: 509/758-1052

Town: Wilma State: WA County: Whitman

Railway Connection: None.

Purpose: Receipt and shipment of logs and miscellaneous general cargo; mooring barges.

Depth Alongside (feet): 19 | | Latitude (decimal): 46.422222

Total Berthing Space (feet): 260 | | Longitude (decimal): -117.0803

Remarks: Approximately 3.5 acres of open storage area are located at rear.□□

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92777 Walla Walla District

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Waterway: **Snake River** Mile: 137.8 PWD: 251

Name: **Port of Clarkston Dock.**

Port: Snake River

Location: Mile 137.8, left bank, Snake River, Clarkston, approximately 2,000 feet above Red Wolf (State Highway 19) Datum: NPE

Operator: Port of Clarkston.

Owner: Port of Clarkston.

Address: 100 Fourteenth Street Phone: 509/758-5272

Town: Clarkston State: WA County: Asotin

Railway Connection: None.

Purpose: Receipt and shipment of containerized and conventional general cargo, logs and heavy-lift items.

Depth Alongside (feet): 16 | | Latitude (decimal): 46.427222

Total Berthing Space (feet): 360 | | Longitude (decimal): -117.0633

Remarks: Approximately 3 acres of open storage area are located in rear.□□

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92779 Walla Walla District

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Waterway: **Snake River** Mile: 138.4 PWD: 252

Name: **Lewis-Clark Terminal, Clarkston Grain Terminal Dock.**

Port: Snake River

Location: Mile 138.4, left bank, Snake River, Clarkston, approximately one mile below mouth of Clearwater River. Datum: NPE

Operator: Lewis-Clark Terminal, Inc.

Owner: Lewis-Clark Terminal, Inc.

Address: Phone: 509/746-9685

Town: Clarkston State: WA County: Asotin

Railway Connection: None.

Purpose: Shipment of grain.

Depth Alongside (feet): 12 - 13 | | Latitude (decimal): 46.4275

Total Berthing Space (feet): 300 | | Longitude (decimal): -117.0522

Remarks: Grain elevator at rear consisting of 13 steel tanks has total capacity for 580,000 bushels.□

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92000 Walla Walla District

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## Port Facilities by Waterway

Waterway:	<b>Snake River</b>			Mile: 2.0	PWD: 230
Name:	<b>Cargill, Burbank Grain Elevator Dock.</b>				
Port:	Snake River				
Location:	Mile 2.0,, Left bank Snake River, Burbank, approximately 1,000 feet below U.S. Highway 12 Bridge.			Datum: NPE	
Operator:	Cargill, Inc.				
Owner:	Port of Walla Walla.				
Address:	West River Grain Terminal Road			Phone: 509/547-2461	
Town:	Burbank	State: WA		County: Walla Walla	
Railway Connection:	One surface track, total capacity 26 cars, serves loading spout; connects with Burlington Northern Railroad.				
Purpose:	Shipment of grain.				
Depth Alongside (feet):	14			Latitude (decimal):	46.210278
Total Berthing Space (feet):	400			Longitude (decimal):	-119.0183
Waterway:	<b>Snake River</b>			Mile: 2.0	PWD: 230
Name:	<b>Cargill, Burbank Grain Elevator Dock.</b>				
Port:	Snake River				
Location:	Mile 2.0,, Left bank Snake River, Burbank, approximately 1,000 feet below U.S. Highway 12 Bridge.			Datum: NPE	
Operator:	Cargill, Inc.				
Owner:	Port of Walla Walla.				
Address:	West River Grain Terminal Road			Phone: 509/547-2461	
Town:	Burbank	State: WA		County: Walla Walla	
Railway Connection:	One surface track, total capacity 26 cars, serves loading spout; connects with Burlington Northern Railroad.				
Purpose:	Shipment of grain.				
Depth Alongside (feet):	14			Latitude (decimal):	46.210278
Total Berthing Space (feet):	400			Longitude (decimal):	-119.0183
Remarks:	Grain elevator at rear consisting of 11 steel tanks and two steel flat storage buildings has total capacity for 2,600,000 bushels.□				
Port Series: 34	Year of Last Survey: 1996		Corps of Engnrs Waterway Code: 92641		Walla Walla District
<hr/>					
Remarks:	Grain elevator at rear consisting of 11 steel tanks and two steel flat storage buildings has total capacity for 2,600,000 bushels.□				
Port Series: 34	Year of Last Survey: 1996		Corps of Engnrs Waterway Code: 92641		Walla Walla District

## Port Facilities by Waterway

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Waterway: <b>Snake River</b>	Mile: 2.0	PWD: 230
Name: <b>Cargill, Burbank Grain Elevator Dock.</b>		
Port: Snake River		
Location: Mile 2.0,, Left bank Snake River, Burbank, approximately 1,000 feet below U.S. Highway 12 Bridge.		Datum: NPE
Operator: Cargill, Inc.		
Owner: Port of Walla Walla.		
Address: West River Grain Terminal Road		Phone: 509/547-2461
Town: Burbank	State: WA	County: Walla Walla
Railway Connection: One surface track, total capacity 26 cars, serves loading spout; connects with Burlington Northern Railroad.		
Purpose: Shipment of grain.		
Depth Alongside (feet): 14		Latitude (decimal): 46.210278
Total Berthing Space (feet): 400		Longitude (decimal): -119.0183

  

Waterway: <b>Snake River</b>	Mile: 2.0	PWD: 230
Name: <b>Cargill, Burbank Grain Elevator Dock.</b>		
Port: Snake River		
Location: Mile 2.0,, Left bank Snake River, Burbank, approximately 1,000 feet below U.S. Highway 12 Bridge.		Datum: NPE
Operator: Cargill, Inc.		
Owner: Port of Walla Walla.		
Address: West River Grain Terminal Road		Phone: 509/547-2461
Town: Burbank	State: WA	County: Walla Walla
Railway Connection: One surface track, total capacity 26 cars, serves loading spout; connects with Burlington Northern Railroad.		
Purpose: Shipment of grain.		
Depth Alongside (feet): 14		Latitude (decimal): 46.210278
Total Berthing Space (feet): 400		Longitude (decimal): -119.0183

Remarks: Grain elevator at rear consisting of 11 steel tanks and two steel flat storage buildings has total capacity for 2,600,000 bushels.□

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Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92641	Walla Walla District
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Remarks: Grain elevator at rear consisting of 11 steel tanks and two steel flat storage buildings has total capacity for 2,600,000 bushels.□

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Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92641	Walla Walla District
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## Port Facilities by Waterway

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Waterway: **Snake River** Mile: 2.2 PWD: 231

Name: **Northwest Terminalling Co., East Pasco Terminal Dock.**

Port: Snake River

Location: Mile 2.2, Right bank Snake River, Pasco, below U.S. Highway 12 Bridge. Datum: NPE

Operator: Chevron Pipe Line Co.

Owner: Northwest Terminalling Co.

Address: 2900 Sacajawea Park Road Phone: 509/547-2545

Town: Pasco State: WA County: Franklin

Railway Connection: None.

Purpose: Receipt and shipment of petroleum products.

Depth Alongside (feet): 22 | | Latitude (decimal): 46.214444

Total Berthing Space (feet): 265 | | Longitude (decimal): -119.0258

Remarks: Three 6-inch pipelines extend from wharf to 21 steel storage tanks in rear, total capacity 590,100 barrels. □

Port Series: 34 Year of Last Survey: 1996 Corps of Engrs Waterway Code: 92642 Walla Walla District

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Waterway: **Snake River** Mile: 2.7 PWD: 232

Name: **Tidewater Terminal Co., Pasco Terminal, Mooring Docks.**

Port: Snake River

Location: Mile 2.7, Right bank Snake River, Pasco, approximately 2,500 feet above U.S. Highway 12 Bridge. Datum: NPE

Operator: Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.

Owner: Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.

Address: Tank Farm Road. Phone: 509/547-7701

Town: Pasco State: WA County: Franklin

Railway Connection: Two surface tracks serve terminal in rear; connect with Burlington Northern Railroad.

Purpose: Mooring vessels and barges; handling supplies.

Depth Alongside (feet): 8 | | Latitude (decimal): 46.221667

Total Berthing Space (feet): 670 | | Longitude (decimal): -119.0167

Remarks: Two 6-inch pipelines on center section formerly used for handling asphalt were not in use at time of survey (1995). □

Port Series: 34 Year of Last Survey: 1996 Corps of Engrs Waterway Code: 92642 Walla Walla District

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## Port Facilities by Waterway

Waterway:	Snake River			Mile: 2.9	PWD: 233
Name:	Tidewater Terminal Co., Pasco Terminal, Petroleum Dock.				
Port:	Snake River				
Location:	Mile 2.9, Right bank Snake River, Pasco, approximately 0.7 mile above U.S. Highway 12 Bridge.			Datum: NPE	
Operator:	Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.				
Owner:	Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.				
Address:	Tank Farm Road.			Phone:	509/547-7701
Town:	Pasco	State:	WA	County:	Franklin
Railway Connection:	Two surface tracks serve terminal in rear; connect with Burlington Northern Railroad.				
Purpose:	Receipt and shipment of petroleum products.				
Depth Alongside (feet):	15			Latitude (decimal):	46.223611
Total Berthing Space (feet):	300			Longitude (decimal):	-119.0128
Waterway:	Snake River			Mile: 2.9	PWD: 233
Name:	Tidewater Terminal Co., Pasco Terminal, Petroleum Dock.				
Port:	Snake River				
Location:	Mile 2.9, Right bank Snake River, Pasco, approximately 0.7 mile above U.S. Highway 12 Bridge.			Datum: NPE	
Operator:	Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.				
Owner:	Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.				
Address:	Tank Farm Road.			Phone:	509/547-7701
Town:	Pasco	State:	WA	County:	Franklin
Railway Connection:	Two surface tracks serve terminal in rear; connect with Burlington Northern Railroad.				
Purpose:	Receipt and shipment of petroleum products.				
Depth Alongside (feet):	15			Latitude (decimal):	46.223611
Total Berthing Space (feet):	300			Longitude (decimal):	-119.0128
Remarks:	Three 8- and one 6-inch pipelines extend from wharf to 29 steel storage tanks at rear, total capacity 379,200 barrels.□				
Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92642	Walla Walla District		
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Remarks:	Three 8- and one 6-inch pipelines extend from wharf to 29 steel storage tanks at rear, total capacity 379,200 barrels.□				
Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92642	Walla Walla District		

## Port Facilities by Waterway

Waterway:	Snake River			Mile: 2.9	PWD: 233
Name:	Tidewater Terminal Co., Pasco Terminal, Petroleum Dock.				
Port:	Snake River				
Location:	Mile 2.9, Right bank Snake River, Pasco, approximately 0.7 mile above U.S. Highway 12 Bridge.			Datum: NPE	
Operator:	Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.				
Owner:	Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.				
Address:	Tank Farm Road.			Phone:	509/547-7701
Town:	Pasco	State:	WA	County:	Franklin
Railway Connection:	Two surface tracks serve terminal in rear; connect with Burlington Northern Railroad.				
Purpose:	Receipt and shipment of petroleum products.				
Depth Alongside (feet):	15			Latitude (decimal):	46.223611
Total Berthing Space (feet):	300			Longitude (decimal):	-119.0128
Waterway:	Snake River			Mile: 2.9	PWD: 233
Name:	Tidewater Terminal Co., Pasco Terminal, Petroleum Dock.				
Port:	Snake River				
Location:	Mile 2.9, Right bank Snake River, Pasco, approximately 0.7 mile above U.S. Highway 12 Bridge.			Datum: NPE	
Operator:	Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.				
Owner:	Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.				
Address:	Tank Farm Road.			Phone:	509/547-7701
Town:	Pasco	State:	WA	County:	Franklin
Railway Connection:	Two surface tracks serve terminal in rear; connect with Burlington Northern Railroad.				
Purpose:	Receipt and shipment of petroleum products.				
Depth Alongside (feet):	15			Latitude (decimal):	46.223611
Total Berthing Space (feet):	300			Longitude (decimal):	-119.0128
Remarks:	Three 8- and one 6-inch pipelines extend from wharf to 29 steel storage tanks at rear, total capacity 379,200 barrels.□				
Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92642	Walla Walla District		
<hr/>					
Remarks:	Three 8- and one 6-inch pipelines extend from wharf to 29 steel storage tanks at rear, total capacity 379,200 barrels.□				
Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92642	Walla Walla District		

## Port Facilities by Waterway

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Waterway: **Snake River** Mile: 29.0 PWD: 235

Name: **Walla Walla Grain Growers, Sheffler Dock.**

Port: Snake River

Location: Mile 29.0, left bank Snake River, Sheffler. Datum: NPE

Operator: Walla Walla Grain Growers, Inc.

Owner: Walla Walla Grain Growers, Inc.

Address: Phone: 509/529-1461

Town: Sheffler State: WA County: Walla Walla

Railway Connection: None.

Purpose: Shipment of grain.

Depth Alongside (feet): 40 | | Latitude (decimal): 46.41

Total Berthing Space (feet): 210 | | Longitude (decimal): -118.6361

Remarks: Grain elevator at rear consisting of 10 concrete silos with 9 interstices has capacity for 490,000 bushels. Outside storage area is available for an additional 2,300,000 bushels.

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92669 Walla Walla District

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Waterway: **Snake River** Mile: 3.0 PWD: 234

Name: **Tidewater Terminal Co., Pasco Terminal, Fertilizer Dock.**

Port: Snake River

Location: Mile 3.0, Right bank Snake River, Pasco, approximately 0.9 mile above U.S. Highway 12 Bridge. Datum: NPE

Operator: Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.

Owner: Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.

Address: Tank Farm Road Phone: 509/547-7701

Town: Pasco State: WA County: Franklin

Railway Connection: Two surface tracks serve terminal in rear, connect with Burlington Northern Railroad.

Purpose: Receipt and occasional shipment of liquid fertilizer.

Depth Alongside (feet): 14 | | Latitude (decimal): 46.224444

Total Berthing Space (feet): 240 | | Longitude (decimal): -119.0111

Waterway: **Snake River** Mile: 3.0 PWD: 234

Name: **Tidewater Terminal Co., Pasco Terminal, Fertilizer Dock.**

Port: Snake River

Location: Mile 3.0, Right bank Snake River, Pasco, approximately 0.9 mile above U.S. Highway 12 Bridge. Datum: NPE

Operator: Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.

Owner: Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.

Address: Tank Farm Road Phone: 509/547-7701

Town: Pasco State: WA County: Franklin

Railway Connection: Two surface tracks serve terminal in rear, connect with Burlington Northern Railroad.

Purpose: Receipt and occasional shipment of liquid fertilizer.

Depth Alongside (feet): 14 | | Latitude (decimal): 46.224444

Total Berthing Space (feet): 240 | | Longitude (decimal): -119.0111

Remarks: One 10-inch pipeline extends from wharf to 3 steel storage tanks, total capacity 2,513,250 gallons. □

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92642 Walla Walla District

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Remarks: One 10-inch pipeline extends from wharf to 3 steel storage tanks, total capacity 2,513,250 gallons. □

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92642 Walla Walla District

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## Port Facilities by Waterway

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Waterway: <b>Snake River</b>	Mile: 3.0	PWD: 234
Name: <b>Tidewater Terminal Co., Pasco Terminal, Fertilizer Dock.</b>		
Port: Snake River		
Location: Mile 3.0, Right bank Snake River, Pasco, approximately 0.9 mile above U.S. Highway 12 Bridge.		Datum: NPE
Operator: Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.		
Owner: Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.		
Address: Tank Farm Road		Phone: 509/547-7701
Town: Pasco	State: WA	County: Franklin
Railway Connection: Two surface tracks serve terminal in rear, connect with Burlington Northern Railroad.		
Purpose: Receipt and occasional shipment of liquid fertilizer.		
Depth Alongside (feet): 14		Latitude (decimal): 46.224444
Total Berthing Space (feet): 240		Longitude (decimal): -119.0111

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Waterway: <b>Snake River</b>	Mile: 3.0	PWD: 234
Name: <b>Tidewater Terminal Co., Pasco Terminal, Fertilizer Dock.</b>		
Port: Snake River		
Location: Mile 3.0, Right bank Snake River, Pasco, approximately 0.9 mile above U.S. Highway 12 Bridge.		Datum: NPE
Operator: Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.		
Owner: Tidewater Terminal Co., subsidiary of Tidewater Barge Lines.		
Address: Tank Farm Road		Phone: 509/547-7701
Town: Pasco	State: WA	County: Franklin
Railway Connection: Two surface tracks serve terminal in rear, connect with Burlington Northern Railroad.		
Purpose: Receipt and occasional shipment of liquid fertilizer.		
Depth Alongside (feet): 14		Latitude (decimal): 46.224444
Total Berthing Space (feet): 240		Longitude (decimal): -119.0111

Remarks: One 10-inch pipeline extends from wharf to 3 steel storage tanks, total capacity 2,513,250 gallons. □

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Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92642	Walla Walla District
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Remarks: One 10-inch pipeline extends from wharf to 3 steel storage tanks, total capacity 2,513,250 gallons. □

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Port Series: 34	Year of Last Survey: 1996	Corps of Engnrs Waterway Code: 92642	Walla Walla District
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## Port Facilities by Waterway

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Waterway: **Snake River** Mile: 38.5 PWD: 236

Name: **Louis Dreyfus Corp., Windust Elevator Dock.**

Port: Snake River

Location: Mile 38.5, right bank Snake River, Windust, approximately 3 miles below Lower Monumental Lock and Dam. Datum: NPE

Operator: Louis Dreyfus Corp.

Owner: Louis Dreyfus Corp.

Address: 5252 Burr Canyon Road. Phone: 509/282-3419

Town: Windust State: WA County: Franklin

Railway Connection: None.

Purpose: Shipment of grain.

Depth Alongside (feet): 16 | | Latitude (decimal): 46.532222

Total Berthing Space (feet): 400 | | Longitude (decimal): -118.5831

Remarks: Grain elevator at rear consisting of timber crib house with 8 bins and 5 steel tanks has capacity for 820,000 bushels. □

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92678 Walla Walla District

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Waterway: **Snake River** Mile: 61.1 PWD: 237

Name: **Columbia County Grain Growers, Lyons Ferry Dock.**

Port: Snake River

Location: Mile 61.1, Left bank Snake River, Lyons Ferry, approximately 0.6 mile below Union Pacific Railroad Bridg Datum: NPE

Operator: Columbia County Grain Growers, Inc.

Owner: Columbia County Grain Growers, Inc.

Address: State Highway 261 Phone: 509/399-2300

Town: Lyons Ferry State: WA County: Columbia

Railway Connection: None.

Purpose: Shipment of grain.

Depth Alongside (feet): 26 | | Latitude (decimal): 46.570556

Total Berthing Space (feet): 240 | | Longitude (decimal): -118.1925

Remarks: Grain elevator at rear consisting of 10 concrete silos, 13 interstices, 4 steel tanks and a steel flat storage building has total capacity for 3,003,000 bushels. Outside storage area is available for an additio bushels.

Port Series: 34 Year of Last Survey: 1996 Corps of Engnrs Waterway Code: 92691 Walla Walla District

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## Port Facilities by Waterway

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Waterway: **Snake River** Mile: 83.0 PWD: 238

Name: **Pomeroy Grain Growers Dock.**

Port: Snake River

Location: Mile 83.0, left bank Snake River, Central Ferry, below Central Ferry (State Highway 127) Bridge, in cove Datum: NPE

Operator: Pomeroy Grain Growers, Inc.

Owner: Port of Garfield.

Address: State Highway 127. Phone: 509/843-3851

Town: Central Ferry State: WA County: Garfield

Railway Connection: None.

Purpose: Shipment of grain.

Depth Alongside (feet): 24 | | Latitude (decimal): 46.615833

Total Berthing Space (feet): 300 | | Longitude (decimal): -117.7942

Remarks: Grain elevator at rear consisting of 14 steel tanks has capacity for 2,400,000 bushels.□

Port Series: 34 Year of Last Survey: 1996 Corps of Engrs Waterway Code: 92723 Walla Walla District

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Waterway: **Snake River** Mile: 83.5 PWD: 239

Name: **Columbia Grain International, Central Ferry Elevator Dock.**

Port: Snake River

Location: Mile 83.5, right bank, Snake River, Central Ferry, approximately 1,500 feet above Central Ferry (State H Datum: NPE

Operator: Columbia Grain International, Inc.

Owner: Port of Whitman County.

Address: County Road 8190 (Hopkins Way). Phone: 509/549-3523

Town: Central Ferry State: WA County: Whitman

Railway Connection: None.

Purpose: Shipment of grain.

Depth Alongside (feet): 16 | | Latitude (decimal): 46.630556

Total Berthing Space (feet): 500 | | Longitude (decimal): -117.7944

Remarks: Grain elevator at rear consisting of 2 concrete silos with 10 interstices and one steel tank has capacity for 2,146,000 bushels.□

Port Series: 34 Year of Last Survey: 1996 Corps of Engrs Waterway Code: 92723 Walla Walla District

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## Port Facilities by Waterway

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Waterway: **Snake River** Mile: 83.7 PWD: 240

Name: **Central Ferry Terminal Association Grain Dock.**

Port: Snake River

Location: Mile 83.7, right bank Snake River, Central Ferry, approximately 0.5 mile above Central Ferry (State High) Datum: NPE

Operator: Central Ferry Terminal Association Inc.

Owner: Central Ferry Terminal Association Inc.

Address: County Road 8190 (Hopkins Way). Phone: 509/549-3595

Town: Central Ferry State: WA County: Whitman

Railway Connection: None.

Purpose: Shipment of grain.

Depth Alongside (feet): 18 | | Latitude (decimal): 46.631944

Total Berthing Space (feet): 200 | | Longitude (decimal): -117.7919

Remarks: Grain elevator at rear, consisting of 8 concrete silos and 2 steel tanks has capacity for 1,480,000 bushels.□

Port Series: 34 Year of Last Survey: 1996 Corps of Engrs Waterway Code: 92723 Walla Walla District

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Waterway: **Snake River** Mile: 84.0 PWD: 241

Name: **Port of Whitman; Boettcher Landing Dock.**

Port: Snake River

Location: Mile 84.0, Right bank Snake River, Central Ferry, approximately 0.8 mile above Central Ferry (State High) Datum: NPE

Operator: The McGregor Co. and Unocal Corp.

Owner: Port of Whitman County.

Address: County Road 8190 (Hopkins Way). Phone: 509/549-3635

Town: Central Ferry State: WA County: Whitman

Railway Connection: One 5-car capacity surface track serves tankage in rear connects with Camas Prairie Railroad.

Purpose: Receipt of anhydrous ammonia; Mooring barges (See Remarks).

Depth Alongside (feet): 30 | | Latitude (decimal): 46.635556

Total Berthing Space (feet): 300 | | Longitude (decimal): -117.7872

Remarks: One 4-inch pipeline extends from wharf to 2 steel storage tanks at The McGregor Co. terminal, total capacity 56,000 gallons, and to 2 storage tanks at Wilbur-Ellis Co. terminal, total capacity 55,000 gallons, eac One 2-inch vapor return and one 1-inch compressed air pipelines also serve wharf.□Tidewater Barge Lines And Shaver Transportation Co. moor idle barges at shoremoorings located above wharf.

Port Series: 34 Year of Last Survey: 1996 Corps of Engrs Waterway Code: 92724 Walla Walla District

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US Army Corps of Engineers  
Dredging Contracts Awarded

**District Walla Walla**

JOBNAME	Dredge Type	Bid Date	Quantity Cubic Yards	Government Estimate	Winning Bid	Winning Bidder	Status of Business	Number of Bids
FY 1997 Awards								
CONFL-SNAKE & CLEARWATER R.	B	11/26/1996	68,701	\$1,173,937	\$1,434,100	AMERICAN CONSTRUCTION CO.	S	5
			68,701	\$1,173,937	\$1,434,100			
FY 1998 Awards								
CONFL CLEARWATER & SNAKE R	B	11/13/1997	333,202	\$2,282,949	\$1,967,000	MANSON CONSTR. & ENGRNG CO	L	2
MCNARY RESERVOIR	B	12/29/1997	0	\$190,100	\$192,238	ZYGOTECH INC	S	5
			333,202	\$2,473,049	\$2,159,238			
FY 1999 Awards								
LOWER MONUMENTAL NAV LOC	B	12/10/1998	10,992	\$488,133	\$423,150	ZYGOTECH INC	S	3
			10,992	\$488,133	\$423,150			

Dredge Type

B Bucket  
D Dustpan  
H Hopper  
N Nonconventional  
P Pipeline

S Sidecaster  
W Combination - All types  
X Pipeline & Bucket  
Y Pipeline & Hopper  
Z Hopper & Bucket  
u undefined

Status of Business

E Emerging Small  
L Large  
S Small

# LPMS Summary by Division/District

January - December 1998 and 1999

1 Cape Fear		Main River Mile: 39.0						South Atlantic Division Wilmington District	
Jan - Dec	Vessels				Barges			Bottoms	Tonnage
1998	Total	Rec	Comrc	Other	Total	Loaded	Empty	Total	ktons
Upbound	82	77	0	5	0	0	0	82	0
Downbound	134	127	0	7	0	0	0	134	0
Total	216	204	0	12	0	0	0	216	0
1999									
Upbound	66	49	0	17	0	0	0	66	0
Downbound	94	85	0	9	0	0	0	94	0
Total	160	134	0	26	0	0	0	160	0
Percent Change	-26%	-34%	N/A	117%	N/A	N/A	N/A	-26%	N/A
Jan - Dec	Lockages				Tows		Average Delay		Total Delay
1998	Total	Rec	Comrc	Other	All	Delayed	All Tows (hrs)	Delayed Tows (hrs)	(hrs)
Upbound	25	20	0	5	0	0	0.00	0.00	0.00
Downbound	39	32	0	7	0	0	0.00	0.00	0.00
Total	64	52	0	12	0	0	0.00	0.00	0.00
1999									
Upbound	32	15	0	17	0	0	0.00	0.00	0.00
Downbound	34	25	0	9	0	0	0.00	0.00	0.00
Total	66	40	0	26	0	0	0.00	0.00	0.00
Percent Change	3%	-23%	N/A	117%	N/A	N/A	N/A	N/A	N/A

1998 data unavailable for the following month(s): Jan

2 Cape Fear		Main River Mile: 71.0						South Atlantic Division Wilmington District	
Jan - Dec	Vessels				Barges			Bottoms	Tonnage
1998	Total	Rec	Comrc	Other	Total	Loaded	Empty	Total	ktons
Upbound	76	63	4	9	0	0	0	76	0
Downbound	101	97	4	4	0	0	0	101	0
Total	177	160	8	13	0	0	0	177	0
1999									
Upbound	48	38	0	10	0	0	0	48	0
Downbound	75	69	0	6	0	0	0	75	0
Total	123	107	0	16	0	0	0	123	0
Percent Change	-31%	-33%	-100%	23%	N/A	N/A	N/A	-31%	N/A
Jan - Dec	Lockages				Tows		Average Delay		Total Delay
1998	Total	Rec	Comrc	Other	All	Delayed	All Tows (hrs)	Delayed Tows (hrs)	(hrs)
Upbound	24	15	0	9	0	0	0.00	0.00	0.00
Downbound	27	23	0	4	0	0	0.00	0.00	0.00
Total	51	38	0	13	0	0	0.00	0.00	0.00
1999									
Upbound	22	12	0	10	0	0	0.00	0.00	0.00
Downbound	26	20	0	6	0	0	0.00	0.00	0.00
Total	48	32	0	16	0	0	0.00	0.00	0.00
Percent Change	-6%	-16%	N/A	23%	N/A	N/A	N/A	N/A	N/A

# LPMS Summary by Division/District

January - December 1998 and 1999

William O. Huske Cape Fear		Main River Mile: 95.0				South Atlantic Division Wilmington District			
Jan - Dec	Vessels				Barges			Bottoms	Tonnage
1998	<u>Total</u>	<u>Rec</u>	<u>Comrc</u>	<u>Other</u>	<u>Total</u>	<u>Loaded</u>	<u>Empty</u>	<u>Total</u>	<u>ktons</u>
Upbound	66	49	4	13	0	0	0	66	0
Downbound	99	83	4	13	0	0	0	99	0
Total	165	132	8	26	0	0	0	165	0
1999									
Upbound	54	38	0	16	0	0	0	54	0
Downbound	80	64	0	16	0	0	0	80	0
Total	134	102	0	32	0	0	0	134	0
Percent Change	-19%	-23%	-100%	23%	N/A	N/A	N/A	-19%	N/A
Jan - Dec	Lockages				Tows		Average Delay		Total Delay
1998	<u>Total</u>	<u>Rec</u>	<u>Comrc</u>	<u>Other</u>	<u>All</u>	<u>Delayed</u>	<u>(hrs)</u>	<u>(hrs)</u>	<u>(hrs)</u>
Upbound	27	14	0	13	0	0	0.00	0.00	0.00
Downbound	39	26	0	13	0	0	0.00	0.00	0.00
Total	66	40	0	26	0	0	0.00	0.00	0.00
1999									
Upbound	27	11	0	16	0	0	0.00	0.00	0.00
Downbound	34	18	0	16	0	0	0.00	0.00	0.00
Total	61	29	0	32	0	0	0.00	0.00	0.00
Percent Change	-8%	-28%	N/A	23%	N/A	N/A	N/A	N/A	N/A

1998 data unavailable for the following month(s): Apr